

Hines, Andrea

From: Jefferies, Jasmin
Sent: Wednesday, December 11, 2019 7:54 AM
To: Harper Tim
Cc: BILBREY FRANK
Subject: RE: Available Dates for Soil Lead Screening

Tim,

That sounds good. I will share yours and Frank's contact information with Troy and Pat. Troy's cell number is 423-304-2083. I am not familiar with Pat's cell number. I will let Troy know that Frank will be his contact for any access issues.

Jasmin

From: Harper Tim <harper_tim@HCDE.ORG>
Sent: Tuesday, December 10, 2019 3:16 PM
To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Cc: BILBREY FRANK <BILBREY_FRANK@HCDE.ORG>
Subject: RE: Available Dates for Soil Lead Screening

Jasmin,

Thanks so much for the information. I know East Side Elem. has a fence around the back of the school where the playground is located and the gates are locked with chains. We will have to make arrangements for the TDEC folks to call Frank Bilbrey with HCDE to get access. We may be able to unlock the gate in the morning of the day they plan to go there. I will have to find out about the two charter schools. The grassy areas of the rest of the schools are accessible.

Tim

From: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Sent: Tuesday, December 10, 2019 1:55 PM
To: Harper Tim <harper_tim@HCDE.ORG>
Subject: RE: Available Dates for Soil Lead Screening

Tim,

I won't personally be there, but I will forward this information to Troy Keith and Pat Gribben with the Tennessee Department of Environment and Conservation. They will be the ones conducting the sampling. I will be checking in with them periodically on those two days, so I will be sure to give someone a call should anything arise.

The screenings will take approximately 45 minutes to an hour per school. Troy and Pat are thinking they can sample all of the schools within those two days. They have asked that all gates and doors needed to get to the grassy areas around the premises be accessible so that they can make the most of their time.

We are currently in the planning process for the next sampling event. As soon as the dates have been finalized, I will let you know. If all goes as planned, we are hoping to have it sometime around the end of January/early February.

Jasmin

From: Harper Tim <harper_tim@HCDE.ORG>
Sent: Tuesday, December 10, 2019 9:58 AM
To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Subject: RE: Available Dates for Soil Lead Screening

Ms. Jefferies,

Yes, you can send the sample results to my attention at 2501 Dodds Ave, Chattanooga, TN 37407.

Frank Bilbrey will be working Dec. 26 and Dec. 27. He will be available those days if you should need anything. His cell is (b) (6) will be off those days, however feel free to call me if you should need anything. My cell number is (b) (6) 7168

I will contact the principals of each school and let them know the screenings will be conducted. I will also make our custodial staffs aware so they will not be alarmed if they happen to see you and the others when conducting the screenings. If you have any issues with the custodial staffs, please have them call me or they can call Dennis Willis who is the Manager for ABM, the custodial service for our schools. His cell number is (b) (6)

Could you tell me how long the screenings usually take and what is involved, just in case I am asked? Also, when do you expect to conduct the more thorough investigation?

Thanks so much.

Tim

From: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Sent: Tuesday, December 10, 2019 9:24 AM
To: Harper Tim <harper_tim@HCDE.ORG>
Subject: RE: Available Dates for Soil Lead Screening

Tim,

If you all choose to have someone in attendance, that is fine, but we do not require that anyone be present while the screening is being conducted.

Are you a good person to send the results/report to? Again, this is just a lead screening. We will conduct a more thorough investigation of the soil during our next sampling event at the beginning of the year.

Jasmin

From: Harper Tim <harper_tim@HCDE.ORG>
Sent: Tuesday, December 10, 2019 9:14 AM
To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Subject: RE: Available Dates for Soil Lead Screening

Ms. Jefferies,

Do you need me and/or any from the school to meet on-site with you and the TDEC folks on Dec. 26 and Dec. 27?

Tim

From: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Sent: Tuesday, December 10, 2019 8:06 AM
To: Harper Tim <harper_tim@HCDE.ORG>
Subject: Available Dates for Soil Lead Screening

Good morning Tim,

Our State counterparts at the Tennessee Department of Environment and Conservation (TDEC) have verified 12/26 and 12/27 as dates they are available to conduct soil-lead screenings at the schools. If this works for you all, I will let them know and we can proceed with those dates. Per our conversation, your office will notify each of the schools of the screening and the dates we have decided on. Please note that these dates are contingent on the weather. We are planning to conduct lead screenings at the following schools:

- Calvin Donaldson Environmental Science Academy
- Clifton Hills Elementary
- East Lake Academy of Fine Arts
- East Lake Elementary
- East Side Elementary
- Chattanooga Charter School of Excellence – Lower School
- Chattanooga Charter School of Excellence – Upper School

Feel free to reach out with any additional questions. In the meantime, I will be on the lookout for your emailing confirming these dates.

Thank you,

Jasmin Jefferies

*Remedial Project Manager
U.S. Environmental Protection Agency – Region 4
Superfund and Emergency Management Division
Restoration and Sustainability Branch
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell: (404) 304-2817
Email: Jefferies.jasmin@epa.gov*

Hines, Andrea

From: Jefferies, Jasmin
Sent: Thursday, December 12, 2019 10:38 AM
To: Harper Tim
Subject: RE: Lead screening

Tim,

Thank you for passing this along. Just to clarify, TDEC will most likely conduct sampling on both days. They will try to complete as much as they can on Thursday, December 26th and resume with sampling on Friday, December 27th. If weather becomes an issue, and TDEC is unable to conduct the lead screenings on those days, I will let you and Frank know.

I also wanted to personally thank you for your cooperation and promptness with communications thus far. We greatly appreciate you and all of the HCDE staff who are helping to make this a smooth and efficient process.

Respectfully,

Jasmin Jefferies

Remedial Project Manager
U.S. Environmental Protection Agency – Region 4
Superfund and Emergency Management Division
Restoration and Sustainability Branch
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell: (404) 304-2817
Email: Jefferies.jasmin@epa.gov

From: Harper Tim <harper_tim@HCDE.ORG>
Sent: Thursday, December 12, 2019 9:46 AM
To: COLLIER JERIE <COLLIER_JERIE@HCDE.ORG>; STARNES LINDSAY <STARNES_L@HCDE.ORG>; Lancaster Joyce <lanchester_j@HCDE.ORG>; CARSON LAKESHA <CARSON_LAKESHA@HCDE.ORG>; WILKEY GREGORY <WILKEY_GREG@HCDE.ORG>; Griffin Marcia <mgriffin@chattanooga charter.com>
Cc: HAYES TERSHEIA <HAYES_TERSHEIA@HCDE.ORG>; MARVEL AARON <MARVEL_AARON@HCDE.ORG>; MCMILLAN MARTHA <MCMILLAN_M@HCDE.ORG>; SEAY DESIREE <SEAY_DESIREE@HCDE.ORG>; MANN FRENZICA <MANN_FRENZICA@HCDE.ORG>; FARROW JASMINE <FARROW_J@HCDE.ORG>; WITT JUSTIN <WITT_JUSTIN@HCDE.ORG>; BILBREY FRANK <BILBREY_FRANK@HCDE.ORG>; MCKAMEY TAMARA <mckamey_t@hcde.org>; ROBERTSON JUSTIN <ROBERTSON_JUSTIN@HCDE.ORG>; Lowman Sandy <lowman_sandy@HCDE.ORG>; Willis Dennis <willis_d@HCDE.ORG>; Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Subject: Lead screening
Importance: High

Principals of select schools,

Your school has been selected by the Environmental Protection Agency (EPA) to have the soil around your school screened for lead. This screening process will be conducted by personnel who work for the TN Dept. of Environment and Conservation (TDEC) and will occur on Thursday, Dec. 26th or Friday, Dec. 27th. They need access only to the grassy areas around the school so they can obtain soil samples. Please ensure on those

two days, any areas that are fenced, the gates are unlocked. They do not need inside the building. They anticipate the screening will take approx. 45 minutes to 1 hour per school.

Please let me know if you have any questions or concerns.

Thanks,

Tim

Tim Harper, Mgr. Safety / Compliance



Auxiliary Services

2501 Dodds Ave. | Chattanooga, TN 37407

(P) 423-498-7272 | ext. 23018

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Hines, Andrea

From: Jefferies, Jasmin
Sent: Monday, December 30, 2019 8:38 AM
To: Harper Tim
Cc: BILBREY FRANK
Subject: Lead Screening of Chattanooga Charter School (Middle)

Good morning Mr. Harper,

TDEC is available to screen Chattanooga Charter School (middle school) on either Thursday or Friday. They have indicated that Thursday is ideal based on the current weather forecast. Please let me know if this works.

Thank you,

Jasmin Jefferies

Remedial Project Manager

U.S. Environmental Protection Agency – Region 4

Superfund and Emergency Management Division

Restoration and Sustainability Branch

61 Forsyth St. SW, Atlanta, GA 30303

Office: (404) 562-8443 | Cell: (404) 304-2817

Email: Jefferies.jasmin@epa.gov

Hines, Andrea

From: Harper Tim <harper_tim@HCDE.ORG>
Sent: Wednesday, January 15, 2020 11:21 AM
To: COLLIER JERIE; STARNES LINDSAY; Lancaster Joyce; CARSON LAKESHA; WILKEY GREGORY
Cc: ROBERTSON JUSTIN; WITT JUSTIN; BILBREY FRANK; Jefferies, Jasmin
Subject: EPA soil sampling for lead

Principals select schools:

The Environmental Protection Agency (EPA) has contracted with a company (Black & Veatch) to come to your school between Jan. 28th-30th to take soil samples. They are checking for lead in the soil. The reason for the testing goes back many, many years when foundry sand was used as fill soil for low areas in Chattanooga. According to EPA, this was a common practice in many cities where foundries were operated. The samples are approx.. 1 inch in diameter and approx.. 6 inches deep. They estimate it will take approx. 1 hour to 1 ½ hours to collect the samples at each school. I have asked them to come in the mornings so that it will not interfere with recess. They prefer not to have the students outside in the area when they are collecting the samples. The company is not just checking schools, they will be doing many residential sites when they are in town.

I have asked the company to give me dates and times as they get closer to Jan. 28th and I was told they will contact me next week with more specifics. I plan to meet the company at your school.

Please let me know if you have questions or concerns.

Tim

Tim Harper, Mgr. Safety / Compliance



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Hines, Andrea

From: Harper Tim <harper_tim@HCDE.ORG>
Sent: Thursday, January 16, 2020 3:09 PM
To: Jefferies, Jasmin
Subject: RE: Sampling Results from TDEC on the Way

Thanks

From: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Sent: Thursday, January 16, 2020 3:06 PM
To: Harper Tim <harper_tim@HCDE.ORG>
Subject: RE: Sampling Results from TDEC on the Way

Good afternoon Mr. Harper,

Yes, the City of Chattanooga will be made aware, and we will ask them to fill out a sampling Access Authorization form. We are trying to find a contact person who can sign the form so that area can be included in the upcoming round of sampling.

Jasmin

From: Harper Tim <harper_tim@HCDE.ORG>
Sent: Thursday, January 16, 2020 11:52 AM
To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Subject: RE: Sampling Results from TDEC on the Way

Ms. Jefferies,

Will the City of Chattanooga be made aware of the high screening result at the East Lake Recreation Center? Will anything need to be done there as a result of this screening level?

Thanks,

Tim

Tim Harper, Mgr. Safety / Compliance



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From: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Sent: Wednesday, January 15, 2020 2:02 PM
To: Harper Tim <harper_tim@HCDE.ORG>
Subject: RE: Sampling Results from TDEC on the Way

Mr. Harper,

Please find the results of TDEC's lead screening of schools attached. There was only one area that came back with lead levels above the EPA's Site-specific clean-up goal of 360 ppm. It is indicated in the report that the area where the elevated lead level was found is not on school property but an area where students of East Lake Academy recreate.

Respectfully,

Jasmin Jefferies

Remedial Project Manager
U.S. Environmental Protection Agency – Region 4
Superfund and Emergency Management Division
Restoration and Sustainability Branch
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell: (404) 304-2817
Email: jefferies.jasmin@epa.gov

From: Harper Tim <harper_tim@HCDE.ORG>
Sent: Wednesday, January 15, 2020 11:21 AM
To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Subject: RE: Sampling Results from TDEC on the Way

THANKS

From: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Sent: Wednesday, January 15, 2020 10:45 AM
To: Harper Tim <harper_tim@HCDE.ORG>
Subject: Sampling Results from TDEC on the Way

Good morning Tim,

I just wanted to give you a heads up that TDEC will be providing me with the lead screening results of the schools in about an hour or so. Once I receive it, I will send it to you via email.

Thank you,

Jasmin Jefferies

Remedial Project Manager
U.S. Environmental Protection Agency – Region 4
Superfund and Emergency Management Division
Restoration and Sustainability Branch
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell: (404) 304-2817
Email: jefferies.jasmin@epa.gov

Hines, Andrea

From: Harper Tim <harper_tim@HCDE.ORG>
Sent: Friday, February 21, 2020 3:58 PM
To: Jefferies, Jasmin
Subject: RE: Soil Sampling Results for Hamilton County Schools

Ms. Jefferies,

Thanks for the results.

I have called and emailed the principal at Howard and have not heard back from her. School was cancelled today, so she may not have been there. Let me know what you want to do next week.

Tim Harper

From: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Sent: Thursday, February 20, 2020 4:48 PM
To: Harper Tim <harper_tim@HCDE.ORG>
Subject: Soil Sampling Results for Hamilton County Schools

Good morning Mr. Harper,

Attached I have included the sampling results and field notes for each of the Hamilton County Schools that were sampled in part of our January 2020 sampling event. An official results letters will be mailed in a few weeks.

Our sampling did not find any of the schools to have lead concentrations at or above our action level of 360 parts per million (ppm); therefore, the EPA is not recommending any remediation at this time.

Please reach out to me if you have any questions.

Respectfully,

Jasmin Jefferies

*Remedial Project Manager
U.S. Environmental Protection Agency – Region 4
Superfund and Emergency Management Division
Restoration and Sustainability Branch
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell: (404) 304-2817
Email: Jefferies.jasmin@epa.gov*

Hines, Andrea

From: Jefferies, Jasmin
Sent: Monday, January 6, 2020 4:16 PM
To: Harper Tim
Subject: RE: Lead Screening of Chattanooga Charter School (Middle)

Good evening Mr. Harper,

I still haven't heard back from TDEC on a date. I reached out to Troy earlier today and he informed me that he would reach out to Pat and get back to me. I believe they were both off for most of last week. Again, once I hear something, I will be in touch.

Thank you,

Jasmin Jefferies

Remedial Project Manager
U.S. Environmental Protection Agency – Region 4
Superfund and Emergency Management Division
Restoration and Sustainability Branch
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell: (404) 304-2817
Email: Jefferies.jasmin@epa.gov

From: Harper Tim <harper_tim@HCDE.ORG>
Sent: Thursday, January 2, 2020 3:24 PM
To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Subject: RE: Lead Screening of Chattanooga Charter School (Middle)

Ms. Jefferies,

FYI – We had texted earlier today and I told you my days on Jan. 7 & 8 were open. I now have an appointment Tuesday, Jan. 7th at 10:00 at one of our schools.

I also have one Monday, Jan. 6th at 1:00 p.m.

Please let me know what you hear from TDEC.
Thanks,

Tim

Tim Harper, Mgr. Safety / Compliance



Auxiliary Services
2501 Dodds Ave. | Chattanooga, TN 37407
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From: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Sent: Monday, December 30, 2019 8:38 AM
To: Harper Tim <harper_tim@HCDE.ORG>
Cc: BILBREY FRANK <BILBREY_FRANK@HCDE.ORG>
Subject: Lead Screening of Chattanooga Charter School (Middle)

Good morning Mr. Harper,

TDEC is available to screen Chattanooga Charter School (middle school) on either Thursday or Friday. They have indicated that Thursday is ideal based on the current weather forecast. Please let me know if this works.

Thank you,

Jasmin Jefferies

Remedial Project Manager
U.S. Environmental Protection Agency – Region 4
Superfund and Emergency Management Division
Restoration and Sustainability Branch
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell: (404) 304-2817
Email: Jefferies.jasmin@epa.gov

Hines, Andrea

From: Jefferies, Jasmin
Sent: Tuesday, January 28, 2020 3:58 PM
To: Harper Tim
Subject: Confusion about Sampling at the Charter Schools

Mr. Harper,

I recently left you a voicemail as well, but I wanted to let you know that there seems to be some confusion about the sampling with the charter schools. My contractors spoke with Ms. Marcia Griffin who is under the impression that the screening done by TDEC was the sampling. I was able to leave her a voicemail indicating that the screening was only a means to determine if any area(s) should be avoided by the students until the actual sampling event. I have not heard back from her yet. If there is anything you could do on your end to convey this message to her, I would be greatly appreciative. We have very limited time with this sampling event, so the sooner we can get her permission to sample, the better.

Thank you,

Jasmin Jefferies

Remedial Project Manager
U.S. Environmental Protection Agency – Region 4
Superfund and Emergency Management Division
Restoration and Sustainability Branch
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell: (404) 304-2817
Email: Jefferies.jasmin@epa.gov

Hines, Andrea

From: Jefferies, Jasmin
Sent: Thursday, February 20, 2020 5:07 PM
To: Harper Tim
Subject: RE: Soil Sampling Results for Hamilton County Schools

Mr. Harper,

A few additional things I would like to note 1) I drafted the email I recently sent you in the morning and forgot to change "morning" to "evening"; my apologies and 2) You will see while viewing the field notes for Clifton Hills Elementary School that there were some edits that were made. I want to assure you that this had nothing to do with the results. We organize the results by parcels— as shown on the City's property tax webpage— and assign them an EPA ID. When recording the results, we listed all of the lead concentrations under one parcel/EPA ID, but later realized Clifton Hills Elementary School has two and arranged the results accordingly. We made those changes more so for our own record keeping; however, if you have additional questions with regards to this, I would be more than happy to discuss with you.

Respectfully,

Jasmin Jefferies

Remedial Project Manager
U.S. Environmental Protection Agency – Region 4
Superfund and Emergency Management Division
Restoration and Sustainability Branch
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell: (404) 304-2817
Email: Jefferies.jasmin@epa.gov

From: Jefferies, Jasmin
Sent: Thursday, February 20, 2020 4:48 PM
To: Harper Tim <harper_tim@HCDE.ORG>
Subject: Soil Sampling Results for Hamilton County Schools

Good morning Mr. Harper,

Attached I have included the sampling results and field notes for each of the Hamilton County Schools that were sampled in part of our January 2020 sampling event. An official results letters will be mailed in a few weeks.

Our sampling did not find any of the schools to have lead concentrations at or above our action level of 360 parts per million (ppm); therefore, the EPA is not recommending any remediation at this time.

Please reach out to me if you have any questions.

Respectfully,

Jasmin Jefferies

Remedial Project Manager

U.S. Environmental Protection Agency – Region 4

Superfund and Emergency Management Division

Restoration and Sustainability Branch

61 Forsyth St. SW, Atlanta, GA 30303

Office: (404) 562-8443 | Cell: (404) 304-2817

Email: Jefferies.jasmin@epa.gov

Hines, Andrea

From: Jefferies, Jasmin
Sent: Thursday, February 27, 2020 10:38 AM
To: Jefferies, Jasmin
Subject: Text messages between myself and Mr. Tim Harper
Attachments: IMG_0354.png; IMG_0348.png; IMG_0349.png; IMG_0350.png; IMG_0351.png; IMG_0352.png; IMG_0353.png; IMG_0355.png; IMG_0356.png



10:27 AM
TH
Tim
Thu, Dec 28, 7:33 PM

Yes, this is Ms. Jefferson.

From speaking with Troy, I don't believe that will be necessary. He said he didn't really see any grassy areas that we would need to sample.

I will double check with him tomorrow to confirm.

Thanks so much.

You're very welcome.

Fri, Dec 27, 6:33 AM

Good morning Mr. Harper. TDEC said they were able to sample all of the grassy areas.

10:29 AM
TH
Tim
Wed, Jan 1, 10:30 AM

TDEC is good to go for tomorrow.

Good deal. Do you happen to know what time they will be at Chatt Charter upper?

I do not, I would assume between 7:30 and 8:00.

Thu, Jan 2, 9:57 AM

Good morning Mr. Harper. TDEC just informed me that it has started raining out that way and have advised that the lead screening be conducted sometime next week. Would that work for you all? If so, do you have a particular day in mind?

10:28 AM
TH
Tim
Thu, Dec 28, 12:52 PM

Good morning. This thing with the water didn't go to plan at all of the morning with the weather. All of the Charter schools due for testing. They said that some didn't seem to have much lead testing, but they didn't check for the sample anymore. They will provide a report I think it is better to wait until something seems reasonable. I don't mind at all if they don't have that. Please! I'm sorry for the delay and your family!

Thanks. This is Mr. Jefferson, correct?

Do we need to get up in time for the Chatt Charter School into which they could not get gain access?

10:28 AM
TH
Tim
Thu, Dec 27, 12:52 PM

Good morning Mr. Harper. TDEC said they were able to sample all of the grassy areas including the playground at the Lower School (Charters) and were unable to sample at the Upper School (Charters). There were common areas shared by the two that they were able to sample. Although there did not appear to be any ongoing direct surface water, sampling would be appropriate at the Upper School. TDEC would like to confirm the location for lead test. It would be helpful to have the location of the playground and the perimeter of the school area. I would like to know if they can make it over there today. I would like to know if they can make it over there today.

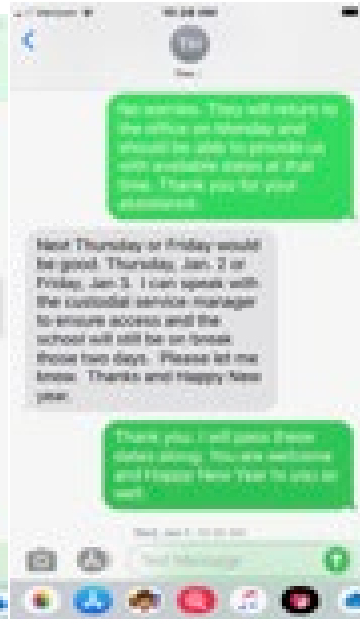
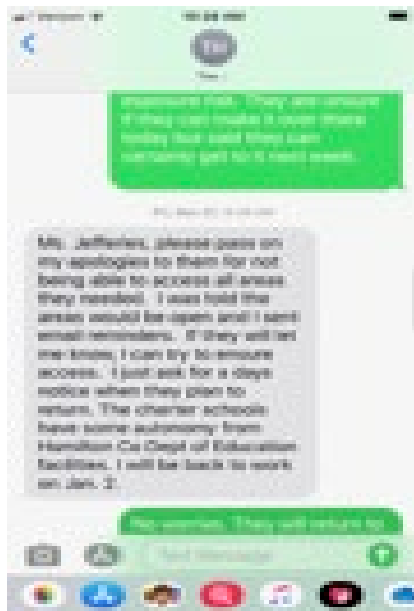
10:28 AM
TH
Tim
Thu, Dec 27, 12:52 PM

Thank you again. Have a good evening.

I called the school and left a message. Made between now and your day. I need it to be done.

I really appreciate that. She has mentioned that I had asked her some things, so I had confirmed the location. We are a go for tomorrow which is good.

Also wanted to let you know that we got to meet with the City and Mayor Barker has signed the water agreement for the testing of the East Lake City Center. We will confirm that over the week.





STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Remediation, Chattanooga Environmental Field Office
1301 Riverfront Parkway, Suite #206
Chattanooga, Tennessee 37402

January 15, 2020

Ms. Jasmin Jefferies
US Environmental Protection Agency
Superfund Division- Region 4
61 Forsyth Street
Atlanta, Georgia 30303

Subject: Results of XRF Screening
Public and Charter School Properties in the NPL Study Area
Southside Chattanooga Lead Site, TDOR No. 33-719
Chattanooga, Hamilton County, Tennessee

Dear Ms. Jefferies:

The Tennessee Division of Remediation (TDOR) is providing the attached report documenting XRF field screening at seven school properties in the downtown Chattanooga, Tennessee area. This screening was performed at the request of EPA based on the locations of each property within the National Priorities List (NPL) study area. The information provided in this report is intended to assist EPA in identifying school properties that should be considered for remedial actions due to elevated lead content in shallow soils.

If you have any questions or concerns regarding the contents of this report, please don't hesitate to contact either Pat Gribben at 423-634-5758 or Troy Keith at 423-634-5755.

Sincerely,

A handwritten signature in black ink, appearing to read "Pat Gribben".

Pat Gribben, PG
Environmental Consultant I
Tennessee Division of Remediation

A handwritten signature in black ink, appearing to read "Troy Keith", followed by a circled "PG".

Troy Keith, PG
Environmental Consultant III
Tennessee Division of Remediation

FIELD METHODOLOGY

Access to each property was provided by Hamilton County Board of Education and Chattanooga Charter School of Excellence. In-situ screening was performed by TDEC-Division of Remediation (DoR) personnel on December 26, 2019 and January 7, 2020.

1. **Visual-** Suspect soils at the surface may exhibit a range of coloration including dark brown, black, and gray. These suspect soils generally appear fine grained and silty in texture. Foreign particles of slag and coal may also be present.
2. **X-Ray Fluorescence Analyzer Screening-** Real time screening data for heavy metals in soil can be obtained using an X-ray fluorescence analyzer. Both visually suspect and non-suspect locations are selected for in-situ analysis by placing the window of the analyzer directly on the ground surface or by covering window with a plastic bag before analyzing the surface. X-ray fluorescence measures the response or fluorescence in peak intensities emitted from a material when excited by an x-ray source to identify a specific element and its associated concentration in a matrix.

SCREENING RESULTS

A total of seven public and charter school properties were visually evaluated and screened with a Niton® XL5 X-ray Fluorescence Analyzer. Screening results for this reporting period are summarized in Table 1, attached. These properties include the following:

1. Calvin Donaldson Elementary, 927 East 37th Street
2. Clifton Hills Elementary, 1815 East 32nd Street
3. East Lake Elementary, 3600 13th Avenue
4. East Lake Academy, 2700 East 34th Street
5. East Side Elementary, 2200 East Main Street
6. Chattanooga Charter School of Excellence Middle School, 1912 South Willow Street
7. Chattanooga Charter School of Excellence Elementary, 2029 East 23rd Street

Figures 1 through 5 provide a comprehensive depiction of the locations of each property evaluated by the DoR, including during this period. DoR notes that at the time of screening, surface soils were observed to be very moist to saturated. XRF readings may potentially be biased low in the presence of excess soil moisture. A copy of TDOR's field notes and XRF data in table form are attached.

Lead concentrations identified through in-situ XRF screening varied widely across the properties surveyed. Lead concentrations ranged from **3 to 279 parts per million (ppm)** at Calvin Donaldson Elementary; **6 to 80 ppm** at East Lake Elementary; **4 to 104 ppm** at East Lake Academy; **9 to 236 ppm** at Clifton Hills Elementary; **22 to 134 ppm** at Chattanooga Charter Elementary; **15 to 189 ppm** at Chattanooga Charter Middle; and **7 to 112 ppm** at East Side Elementary.

DoR notes due to no play areas observed at East lake Academy's campus, the adjacent East Lake Recreation Center (containing a playground and athletic fields) was screened. DoR understands that this facility is the property of the City of Chattanooga. Lead concentrations via in-situ XRF screening ranged

from 11 to 540 ppm. The screening location exceeding the 360 ppm threshold appears to be relatively isolated and located away from play areas.

CONCLUSIONS

Elevated concentrations of lead were identified by XRF screening; however, in each case lead concentrations were below the EPA cleanup threshold of 360 ppm. The notable exception, discussed above, was identified at the East Lake Recreation Center, which is owned by the City of Chattanooga. This property was screened due to its observed use and proximity to East Lake Academy.

Please see attachments for additional information.

Figures

Figure 1: Calvin Donaldson Elementary School

Figure 2: Clifton Hills Elementary School

Figure 3: East Lake Academy and Elementary Schools

Figure 4: East Side Elementary School

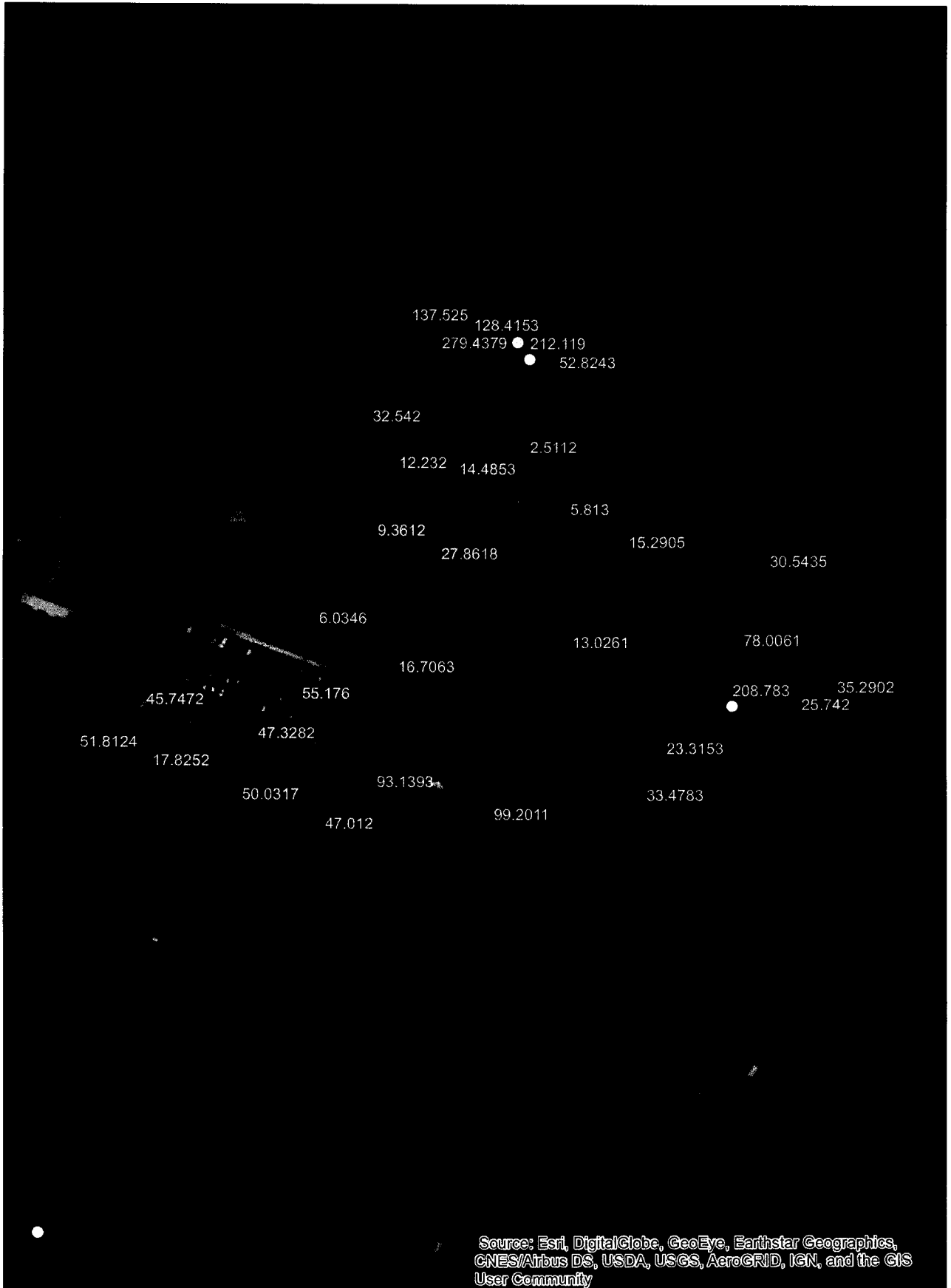
Figure 5: Chattanooga Charter Schools of Excellence (Middle and Elementary Schools)

Tables

Table 1: XRF Screening Results

Field Notes and Sketches

TDoR In-Situ XRF Screenings Calvin Donaldson Elementary



DATA INFORMATION AND SUBSTANTIATION
Chattanooga Charter Upper and Lower

14.7333

19.4428

16.765

189.1659

74.046

87.8745

65.3615

31.4398

128.6723 23.2555

51.7645

22.1553

30.7707 53.3787

34.1239

134.3271

26.3282

94.2772

29.0077

46.194

28.7732

45.0082

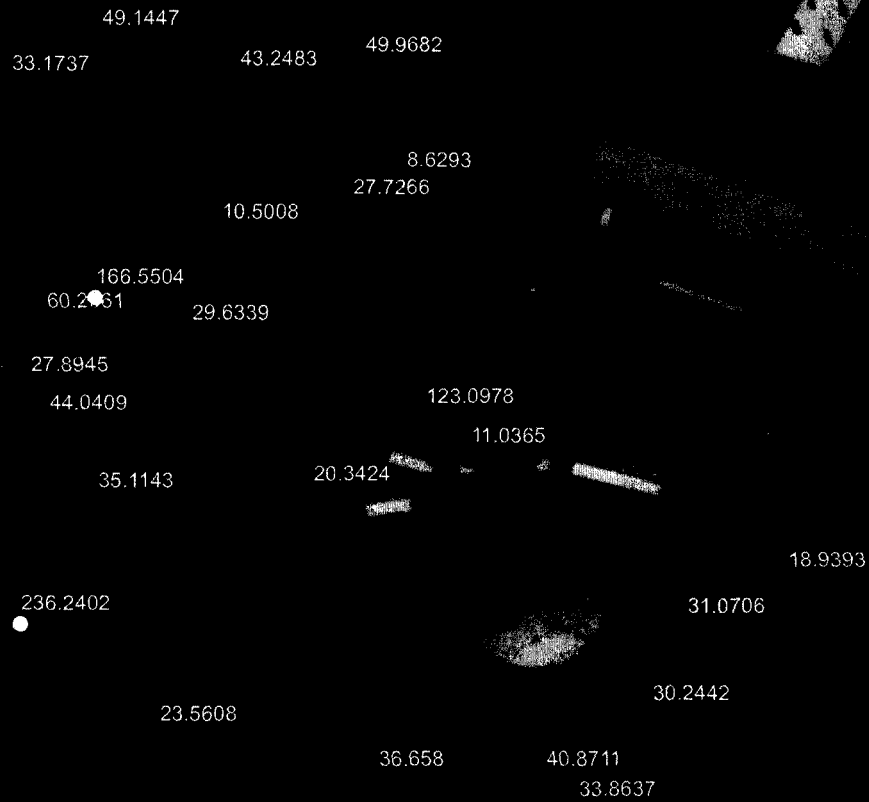
34.6468

33.7577

26.4925

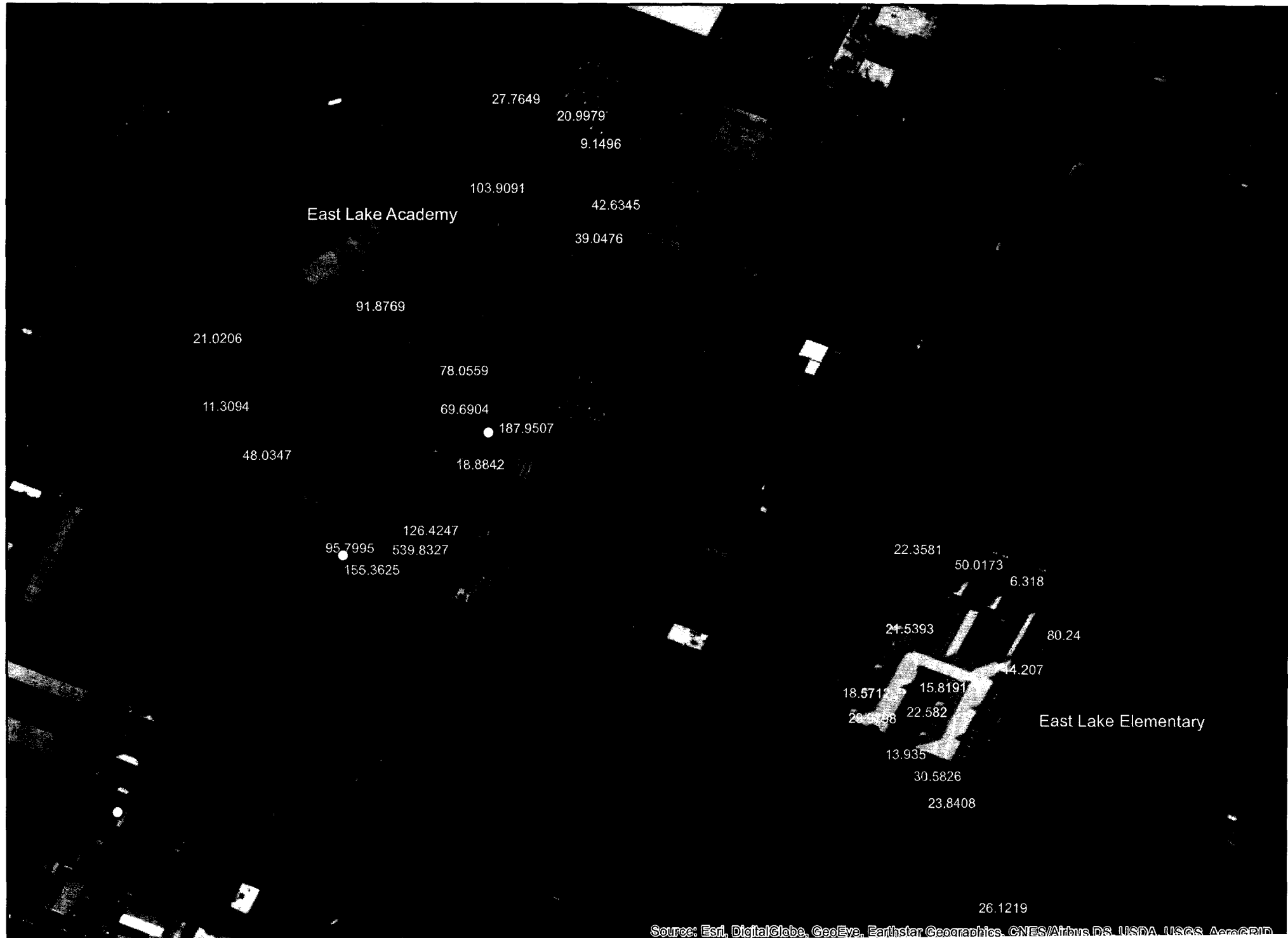
53.4383

TDoR In-Situ XRF Screenings Clifton Hills Elementary



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics,
CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS
User Community

DOX INFO AIR Screening
East Lake Academy and East Lake Elementary



מחלקת חינוך
East Side Elementary

7.0144

31.5314

9.8373

24.5106

12.5016

8.9576

12.7128

26.181

9.3074

20.1944

111.9783

29.0286

21.9859

9.3416

18.3789

10.4412

8.7437

27.9217

Table 1
XRF Screening Results

Reading No	Time	Sigma Value	Units	Mode	Pb	Pb 2-Sigma	Longitude	Latitude
449	Thu Dec 26, 2019 - 09:55:52	0	ppm		System Check			
450	Thu Dec 26, 2019 - 10:04:47	2	ppm	Soils	47.012	2.1309	-85.318733	35.010338
451	Thu Dec 26, 2019 - 10:05:50	2	ppm	Soils	50.0317	3.0079	-85.318977	35.01046
452	Thu Dec 26, 2019 - 10:07:03	2	ppm	Soils	17.8252	1.9025	-85.31929	35.010612
453	Thu Dec 26, 2019 - 10:08:06	2	ppm	Soils	51.8124	2.7014	-85.319542	35.010487
454	Thu Dec 26, 2019 - 10:09:29	2	ppm	Soils	45.7472	2.5666	-85.319321	35.010803
455	Thu Dec 26, 2019 - 10:10:32	2	ppm	Soils	47.3282	2.5329	-85.319008	35.01062
456	Thu Dec 26, 2019 - 10:11:51	2	ppm	Soils	55.176	3.1791	-85.318733	35.010769
457	Thu Dec 26, 2019 - 10:13:13	2	ppm	Soils	16.7063	1.7591	-85.318481	35.010933
458	Thu Dec 26, 2019 - 10:15:01	2	ppm	Soils	6.0346	1.1639	-85.318703	35.011139
459	Thu Dec 26, 2019 - 10:16:05	2	ppm	Soils	9.3612	1.7341	-85.318474	35.011356
460	Thu Dec 26, 2019 - 10:17:17	2	ppm	Soils	12.232	1.3835	-85.318382	35.011627
461	Thu Dec 26, 2019 - 10:18:14	2	ppm	Soils	32.542	2.1813	-85.318573	35.01173
462	Thu Dec 26, 2019 - 10:19:28	2	ppm	Soils	14.4853	1.8984	-85.318306	35.011559
463	Thu Dec 26, 2019 - 10:20:24	2	ppm	Soils	2.5112	1.0682	-85.318039	35.011623
464	Thu Dec 26, 2019 - 10:21:32	2	ppm	Soils	5.813	1.2592	-85.317902	35.01141
465	Thu Dec 26, 2019 - 10:23:08	2	ppm	Soils	52.8243	2.4306	-85.31794	35.011913
466	Thu Dec 26, 2019 - 10:24:15	2	ppm	Soils	128.4153	2.8821	-85.31823	35.012039
467	Thu Dec 26, 2019 - 10:25:08	2	ppm	Soils	137.525	3.0331	-85.318298	35.012074
468	Thu Dec 26, 2019 - 10:27:14	2	ppm	Soils	212.119	3.886	-85.318039	35.011978
469	Thu Dec 26, 2019 - 10:29:00	2	ppm	Soils	279.4379	4.4022	-85.317833	35.011955
470	Thu Dec 26, 2019 - 10:31:19	2	ppm	Soils	27.8618	2.0722	-85.318268	35.011211
471	Thu Dec 26, 2019 - 10:35:07	2	ppm	Soils	93.1393	3.8439	-85.318657	35.010532
472	Thu Dec 26, 2019 - 10:44:28	2	ppm	Soils	208.783	4.0127	-85.317352	35.010792
473	Thu Dec 26, 2019 - 10:46:04	2	ppm	Soils	25.742	2.2891	-85.317146	35.010754
474	Thu Dec 26, 2019 - 10:47:58	2	ppm	Soils	23.3153	1.9189	-85.317574	35.010593
475	Thu Dec 26, 2019 - 10:50:45	2	ppm	Soils	33.4783	2.2893	-85.317642	35.010433
476	Thu Dec 26, 2019 - 11:03:33	2	ppm	Soils	78.0061	2.842	-85.317314	35.010963
477	Thu Dec 26, 2019 - 11:05:35	2	ppm	Soils	35.2902	2.3763	-85.317001	35.010803
478	Thu Dec 26, 2019 - 11:07:34	2	ppm	Soils	30.5435	2.1572	-85.317192	35.011147
479	Thu Dec 26, 2019 - 11:09:16	2	ppm	Soils	15.2905	1.9993	-85.317703	35.011299
480	Thu Dec 26, 2019 - 11:10:16	2	ppm	Soils	13.0261	1.9813	-85.317894	35.010956
481	Thu Dec 26, 2019 - 11:13:51	2	ppm	Soils	99.2011	3.3806	-85.318161	35.010368
482	Thu Dec 26, 2019 - 11:30:32	2	ppm	Soils	13.935	1.6512	-85.2798	34.9981
483	Thu Dec 26, 2019 - 11:31:45	2	ppm	Soils	30.5826	2.5169	-85.2797	34.998
484	Thu Dec 26, 2019 - 11:32:55	2	ppm	Soils	22.582	1.6691	-85.279541	34.998287
485	Thu Dec 26, 2019 - 11:33:36	2	ppm	Soils	15.8191	1.8746	-85.279533	34.998459
486	Thu Dec 26, 2019 - 11:34:51	2	ppm	Soils	29.9798	2.5529	-85.279877	34.998314
487	Thu Dec 26, 2019 - 11:36:05	2	ppm	Soils	18.5712	1.8492	-85.280128	34.998451
488	Thu Dec 26, 2019 - 11:37:38	2	ppm	Soils	21.5393	2.4279	-85.2798	34.998848
489	Thu Dec 26, 2019 - 11:39:20	2	ppm	Soils	22.3581	2.1328	-85.279602	34.999325
490	Thu Dec 26, 2019 - 11:40:27	2	ppm	Soils	50.0173	3.2474	-85.279434	34.99929
491	Thu Dec 26, 2019 - 11:41:32	2	ppm	Soils	6.318	1.471	-85.279045	34.999138
492	Thu Dec 26, 2019 - 11:42:58	2	ppm	Soils	80.24	2.8827	-85.278824	34.998814
493	Thu Dec 26, 2019 - 11:43:57	2	ppm	Soils	14.207	2.1132	-85.279114	34.998547
494	Thu Dec 26, 2019 - 11:45:16	2	ppm	Soils	23.8408	2.522	-85.279549	34.997959
495	Thu Dec 26, 2019 - 11:48:19	2	ppm	Soils	26.1219	1.664	-85.279182	34.99712
496	Thu Dec 26, 2019 - 11:56:02	2	ppm	Soils	27.7649	2.1681	-85.281975	35.002014
497	Thu Dec 26, 2019 - 11:59:55	2	ppm	Soils	103.9091	3.5515	-85.282326	35.001488
498	Thu Dec 26, 2019 - 12:01:47	2	ppm	Soils	9.1496	1.5685	-85.281654	35.001751
499	Thu Dec 26, 2019 - 12:02:59	2	ppm	Soils	42.6345	2.0612	-85.281586	35.001389
500	Thu Dec 26, 2019 - 12:04:15	2	ppm	Soils	39.0476	2.1756	-85.281738	35.001244
501	Thu Dec 26, 2019 - 12:06:32	2	ppm	Soils	20.9979	2.2297	-85.281799	35.001915
502	Thu Dec 26, 2019 - 12:10:52	2	ppm	Soils	78.0559	2.4186	-85.282501	35.000397
503	Thu Dec 26, 2019 - 12:12:03	2	ppm	Soils	69.6904	2.9327	-85.282494	35.000164
504	Thu Dec 26, 2019 - 12:13:36	2	ppm	Soils	187.9507	3.5178	-85.282204	35.000107
505	Thu Dec 26, 2019 - 12:14:38	2	ppm	Soils	18.8842	1.9802	-85.282402	34.999832
506	Thu Dec 26, 2019 - 12:16:30	2	ppm	Soils	126.4247	2.8865	-85.282722	34.999435
507	Thu Dec 26, 2019 - 12:17:38	2	ppm	Soils	539.8327	6.215	-85.282837	34.999374
508	Thu Dec 26, 2019 - 12:18:34	2	ppm	Soils	95.7995	3.0283	-85.283035	34.999329
509	Thu Dec 26, 2019 - 12:19:32	2	ppm	Soils	155.3625	3.5128	-85.283073	34.999367
510	Thu Dec 26, 2019 - 12:21:39	2	ppm	Soils	48.0347	1.9731	-85.283676	34.999889
511	Thu Dec 26, 2019 - 12:23:16	2	ppm	Soils	11.3094	1.3887	-85.28392	35.000183
512	Thu Dec 26, 2019 - 12:24:57	2	ppm	Soils	21.0206	1.5797	-85.283974	35.000591

Table 1
XRF Screening Results

513	Thu Dec 26, 2019 - 12:27:11	2	ppm	Soils	91.8769	3.0496	-85.282997	35.000782
514	Thu Dec 26, 2019 - 13:09:21	2	ppm	Soils	36.658	2.5134	-85.2907	35.0081
515	Thu Dec 26, 2019 - 13:10:39	2	ppm	Soils	40.8711	2.8898	-85.2903	35.0081
516	Thu Dec 26, 2019 - 13:12:17	2	ppm	Soils	33.8637	1.6302	-85.290466	35.007961
517	Thu Dec 26, 2019 - 13:13:22	2	ppm	Soils	30.2442	2.262	-85.290047	35.008255
518	Thu Dec 26, 2019 - 13:14:14	2	ppm	Soils	31.0706	2.5251	-85.289963	35.008461
519	Thu Dec 26, 2019 - 13:15:11	2	ppm	Soils	18.9393	2.5255	-85.289726	35.008572
520	Thu Dec 26, 2019 - 13:17:34	2	ppm	Soils	23.5608	2.5328	-85.291222	35.008205
521	Thu Dec 26, 2019 - 13:19:01	2	ppm	Soils	236.2402	3.9855	-85.29155	35.008465
522	Thu Dec 26, 2019 - 13:20:35	2	ppm	Soils	35.1143	2.3015	-85.291367	35.008762
523	Thu Dec 26, 2019 - 13:21:40	2	ppm	Soils	44.0409	2.3441	-85.291557	35.008759
524	Thu Dec 26, 2019 - 13:22:31	2	ppm	Soils	27.8945	2.714	-85.291527	35.009041
525	Thu Dec 26, 2019 - 13:23:24	2	ppm	Soils	60.2961	2.7607	-85.291489	35.009193
526	Thu Dec 26, 2019 - 13:24:51	2	ppm	Soils	166.5504	3.3714	-85.291374	35.009251
527	Thu Dec 26, 2019 - 13:25:44	2	ppm	Soils	29.6339	2.5622	-85.291145	35.009167
528	Thu Dec 26, 2019 - 13:26:42	2	ppm	Soils	10.5008	1.9072	-85.290962	35.009396
529	Thu Dec 26, 2019 - 13:28:01	2	ppm	Soils	27.7266	2.4763	-85.290764	35.009388
530	Thu Dec 26, 2019 - 13:28:37	2	ppm	Soils	8.6293	1.8573	-85.290634	35.009533
531	Thu Dec 26, 2019 - 13:29:35	2	ppm	Soils	49.9682	2.574	-85.290733	35.009811
532	Thu Dec 26, 2019 - 13:30:26	2	ppm	Soils	43.2483	2.9437	-85.291031	35.009777
533	Thu Dec 26, 2019 - 13:31:27	2	ppm	Soils	49.1447	2.4996	-85.291359	35.009872
534	Thu Dec 26, 2019 - 13:32:18	2	ppm	Soils	33.1737	2.2856	-85.291573	35.009762
535	Thu Dec 26, 2019 - 13:34:57	2	ppm	Soils	123.0978	3.7281	-85.290588	35.008968
536	Thu Dec 26, 2019 - 13:35:45	2	ppm	Soils	11.0365	1.8848	-85.290482	35.008873
537	Thu Dec 26, 2019 - 13:36:50	2	ppm	Soils	20.3424	2.0227	-85.290855	35.008781
538	Thu Dec 26, 2019 - 13:49:27	2	ppm	Soils	26.4925	2.0901	-85.281532	35.018974
539	Thu Dec 26, 2019 - 13:51:17	2	ppm	Soils	53.4383	2.8948	-85.281273	35.018852
540	Thu Dec 26, 2019 - 13:52:45	2	ppm	Soils	33.7577	2.143	-85.280716	35.018867
541	Thu Dec 26, 2019 - 13:53:32	2	ppm	Soils	34.6468	2.5573	-85.280701	35.018997
542	Thu Dec 26, 2019 - 13:54:15	2	ppm	Soils	28.7732	2.3119	-85.280861	35.0191
543	Thu Dec 26, 2019 - 13:55:06	2	ppm	Soils	94.2772	3.0388	-85.280975	35.019157
544	Thu Dec 26, 2019 - 13:55:54	2	ppm	Soils	26.3282	1.9808	-85.281029	35.019192
545	Thu Dec 26, 2019 - 13:56:58	2	ppm	Soils	134.3271	3.2773	-85.281021	35.019257
546	Thu Dec 26, 2019 - 13:57:44	2	ppm	Soils	29.0077	1.802	-85.280838	35.019199
547	Thu Dec 26, 2019 - 13:58:53	2	ppm	Soils	46.194	3.0207	-85.280586	35.019157
548	Thu Dec 26, 2019 - 13:59:31	2	ppm	Soils	45.0082	2.5641	-85.280594	35.019154
549	Thu Dec 26, 2019 - 14:03:05	2	ppm	Soils	22.1553	2.875	-85.2808	35.01968
550	Thu Dec 26, 2019 - 14:03:44	2	ppm	Soils	34.1239	2.6709	-85.280876	35.019943
551	Thu Dec 26, 2019 - 14:04:50	2	ppm	Soils	128.6723	3.5301	-85.280518	35.01989
552	Thu Dec 26, 2019 - 14:05:32	2	ppm	Soils	23.2555	2.0179	-85.280357	35.019917
553	Thu Dec 26, 2019 - 14:06:24	2	ppm	Soils	51.7645	2.515	-85.280334	35.019775
554	Thu Dec 26, 2019 - 14:07:33	2	ppm	Soils	31.4398	2.4599	-85.280106	35.019997
555	Thu Dec 26, 2019 - 14:08:48	2	ppm	Soils	53.3787	2.8148	-85.28038	35.019455
556	Thu Dec 26, 2019 - 14:09:38	2	ppm	Soils	30.7707	2.0101	-85.280571	35.019608
557	Thu Dec 26, 2019 - 14:22:53	2	ppm	Soils	27.9217	1.991	-85.275269	35.02285
558	Thu Dec 26, 2019 - 14:25:06	2	ppm	Soils	8.7437	1.1676	-85.275848	35.022877
559	Thu Dec 26, 2019 - 14:26:18	2	ppm	Soils	10.4412	1.4027	-85.275635	35.023212
560	Thu Dec 26, 2019 - 14:29:11	2	ppm	Soils	20.1944	1.8575	-85.275475	35.023655
561	Thu Dec 26, 2019 - 14:30:12	2	ppm	Soils	26.181	1.9665	-85.275642	35.023819
562	Thu Dec 26, 2019 - 14:32:17	2	ppm	Soils	29.0286	1.9182	-85.275978	35.023548
563	Thu Dec 26, 2019 - 14:34:14	2	ppm	Soils	8.9576	1.3707	-85.275772	35.023964
564	Thu Dec 26, 2019 - 14:35:39	2	ppm	Soils	7.0144	1.3042	-85.276085	35.024155
565	Thu Dec 26, 2019 - 14:36:37	2	ppm	Soils	31.5314	2.5719	-85.275856	35.024208
566	Thu Dec 26, 2019 - 14:37:38	2	ppm	Soils	24.5106	1.7244	-85.275719	35.0242
567	Thu Dec 26, 2019 - 14:39:09	2	ppm	Soils	9.8373	1.147	-85.27552	35.024185
568	Thu Dec 26, 2019 - 14:40:02	2	ppm	Soils	12.5016	1.4073	-85.275391	35.024082
569	Thu Dec 26, 2019 - 14:41:23	2	ppm	Soils	12.7128	1.5876	-85.274834	35.023911
570	Thu Dec 26, 2019 - 14:42:33	2	ppm	Soils	9.3074	2.2695	-85.27459	35.023693
571	Thu Dec 26, 2019 - 14:43:57	2	ppm	Soils	111.9783	3.9409	-85.274506	35.023617
572	Thu Dec 26, 2019 - 14:45:27	2	ppm	Soils	9.3416	2.6413	-85.274811	35.023258
573	Thu Dec 26, 2019 - 14:46:01	2	ppm	Soils	18.3789	1.8945	-85.27475	35.023201
574	Thu Dec 26, 2019 - 14:47:11	2	ppm	Soils	21.9859	2.5555	-85.275162	35.023453
595	Tue Jan 7, 2020 - 12:03:58	0	ppm	System Check				
596	Tue Jan 7, 2020 - 12:31:06	2	ppm	Soils	87.8745	3.3964	-85.279678	35.019951
597	Tue Jan 7, 2020 - 12:32:30	2	ppm	Soils	65.3615	2.9608	-85.279678	35.019882

Table 1
XRF Screening Results

598	Tue Jan 7, 2020 - 12:33:59	2	ppm	Soils	74.046	2.5423	-85.279655	35.020271
599	Tue Jan 7, 2020 - 12:35:46	2	ppm	Soils	189.1659	3.6536	-85.279518	35.020416
600	Tue Jan 7, 2020 - 12:36:35	2	ppm	Soils	16.765	1.9587	-85.279533	35.020432
601	Tue Jan 7, 2020 - 12:39:04	2	ppm	Soils	19.4428	2.1855	-85.278992	35.020729
602	Tue Jan 7, 2020 - 12:39:54	2	ppm	Soils	14.7333	2.1282	-85.279228	35.020836

Calvin Donaldson 12/26/19
Hamilton Co. Schools
927 E 37th Street

Weather: Clear 50s

Personnel: T. Keith P. Gibbons

0900 - Arrive onsite

Call Frank Billeray for access

Reading #	Pb +/-	As +/-	Comment
449	System check - OK		
450	47 +/- 2	4 +/- 3	
451	50 +/- 3	6 +/- 2	
452	15 +/- 2	< 2	
453	52 +/- 3	< 4	
454	46 +/- 3	6 +/- 2	
455	47 +/- 3	7 +/- 2	
456	55 +/- 3	< 5	
457	17 +/- 2	6 +/- 1	Garden
458	6 +/- 1	< 2	
459	9 +/- 2	2 +/- 1	Playground
460	12 +/- 1	4 +/- 1	Playground
461	33 +/- 2	11 +/- 2	Garden
462	14 +/- 2	5 +/- 1	Playground
463	3 +/- 1	< 2	Playground
464	6 +/- 1	2 +/- 1	
465	53 +/- 2	5 +/- 2	
466	128 +/- 3	4 +/- 2	

2 of 2

Reading #	Pb +/-	As +/-	Comment
467	133 +/- 3	< 4	O. Classroom
468	212 +/- 4	7 +/- 3	O. Classroom
469	277 +/- 4	16 +/- 3	O. Classroom
470	281 +/- 2	11 +/- 2	Playground
471	93 +/- 4	10 +/- 3	2nd floor
472	209 +/- 4	13 +/- 3	
473	26 +/- 2	6 +/- 2	
474	23 +/- 2	3 +/- 1	
475	33 +/- 2	6 +/- 2	
476	78 +/- 3	7 +/- 2	Det. Pond area
477	35 +/- 2	6 +/- 2	
478	51 +/- 2	5 +/- 2	Recreation
479	15 +/- 2	8 +/- 2	
480	13 +/- 2	3 +/- 1	
481	99 +/- 3	< 5	

Good vegetation cover throughout
w/ exception of outdoor classroom

Soil visibly moist to wet

1020 - Depart site

Hamilton Co Schools
3600 13th Avenue

Weather: Clear 50.
Personnel: T. Keith, P. Siskin

1030 - Arrive on site

Reading #	Plat-	As+/-	Comment
452	144+/-2	2+/-1	
453	31+/-3	7+/-2	
454	83+/-2	6+/-1	
455	16+/-2	2+/-1	
456	39+/-3	6+/-2	Sample
457	17+/-2	3+/-1	
458	22+/-2	4+/-2	
459	22+/-2	2+/-2	
460	50+/-3	7+/-2	
461	64+/-1	2+/-1	
462	50+/-3	7+/-2	
463	14+/-2	5+/-2	
464	24+/-3	3+/-2	
465	26+/-2	6+/-1	Sample

Good vegetation cover
Sides visible mount
1055 - Depart site

Hamilton Co Schools
2700 E. 34th Street

Weather: Clear 60.
Personnel: T. Keith, P. Siskin

1100 - Arrive on site

Reading #	Plat-	As+/-	Comment
496	28+/-2	4+/-2	
497	104+/-4	7+/-3	
498	4+/-2	<3	
499	43+/-2	<2	
500	37+/-2	4+/-2	Grass
501	21+/-2	5+/-2	
502	78+/-2	7+/-2	
503	70+/-3	7+/-2	Flingspread
504	188+/-4	12+/-3	Flingspread
505	19+/-2	<3	Flingspread
506	126+/-3	7+/-2	Fee. cut
507	540+/-6	29+/-4	Fee. cut
508	70+/-3	7+/-2	Fee. cut
509	155+/-4	13+/-3	Fee. cut
510	48+/-2	4+/-1	Ball field
511	11+/-1	3+/-1	Ball field
512	21+/-2	<2	Ball field
513	72+/-3	<3	RT side

Ball field, lower part covered, well
1130 - Depart site

Hamilton Co. Schools
1815 E. 32nd Street

Weather: Clear & Co.
Personnel: T. Keith, R. Gribben
1210 - Prairie oxide

Reading #	Pl+/-	As+/-	Comment
514	37+/-3	6+/-2	
515	41+/-3	7+/-2	
516	34+/-2	4+/-1	
517	30+/-2	<3	
518	31+/-3	5+/-2	
519	19+/-3	<3	
520	24+/-3	<3	
521	27+/-4	14+/-3	
522	35+/-3	<4	
523	44+/-3	4+/-2	
524	25+/-2	<3	
525	60+/-3	7+/-2	
526	161+/-3	101+/-2	
527	30+/-3	7+/-2	
528	11+/-2	5+/-1	
529	25+/-2	4+/-2	
530	9+/-2	4+/-1	
531	50+/-3	34+/-2	
532	43+/-3	4+/-2	

Reading #	Pl+/-	As+/-	Comment
533	49+/-3	5+/-2	
534	33+/-2	4+/-2	
535	123+/-4	11+/-3	
536	11+/-2	2+/-1	
537	20+/-2	<3	

Moderate vegetation cover
Soils are visible under the mat
1240 - Deposition site

12/20/12

Weather: Clear & cool
Personal: T. Kirtz, P. Gilman

1250 - Arrive on-site

Reading #	Pb+/-	As+/-	Comment
538	26+/-2	4+/-2	
537	53+/-3	11+/-2	
540	34+/-2	3+/-2	
541	35+/-3	5+/-2	
542	29+/-2	<4	
543	94+/-3	8+/-2	
544	24+/-2	<2	
545	134+/-3	7+/-2	
546	29+/-2	<2	
547	46+/-3	6+/-2	
548	45+/-3	4+/-2	
549	62+/-3	6+/-2	Strongly improved
550	34+/-3	5+/-2	Strongly improved
551	129+/-4	7+/-3	Field
552	23+/-2	<3	Field
553	52+/-3	<4	Field
554	31+/-2	<4	Field
555	53+/-3	<4	But large

Reading #	Pb+/-	As+/-	Comment
556	31+/-2	3+/-1	Strongly improved

Upper school
Arrive @ 1315

Reading #	Pb+/-	As+/-	Comment
-----------	-------	-------	---------

No record for Frank
B. Hery, not a Hamilton
Co. School

12/24/19

Eastside Elem

12/24/19

Item 170 is Schools

2200 E Main Street

Weather: Clear 60's

Personnel: T. Keith, P. Enghen

1985 - Arrive onsite

Reading #	Pb+/-	As+/-	Comment
552	28+/-3	5+/-1	
553	9+/-1	<1	
554	10+/-1	<2	
560	20+/-3	4+/-1	
561	26+/-3	5+/-1	
562	29+/-3	3+/-1	
563	9+/-1	<2	
564	7+/-1	<1	
565	32+/-3	10+/-2	
566	25+/-3	3+/-1	
567	10+/-1	<1	
568	13+/-1	<2	
569	13+/-3	4+/-1	
570	9+/-2	3+/-2	
571	112+/-4	15+/-3	
572	8+/-2	6+/-2	
573	18+/-2	7+/-1	
574	22+/-3	6+/-2	

1/4/10 - Depart site

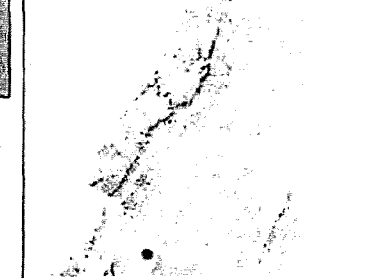
12/24/19

Dr. T. Keith
 Dr. T. Keith

11:00 Arrive work

Sample #	Pb	As
595	Subst. check	OK
596	88 ± 3	4 ± 2
597	65 ± 3	6 ± 2
598	74 ± 3	5 ± 2
599	69 ± 4	6 ± 3
600	17 ± 2	43
601	19 ± 2	44
602	15 ± 2	5 ± 2

GISMO 5



- Parcels
- County Boundary
- (R) Recycling Centers
- H Healthcare Facilities
- Emergency Services Locations
 - F FIRE
 - M MEDIC
 - P POLICE
- C Cemeteries
- R Religious Facilities
- S Schools
- Building Footprints
- Miscellaneous Structures
- Driveways
- Parking
- Water Bodies
- Other Water Bodies
- Recreational Areas
 - Surrounding
 - Hamilton

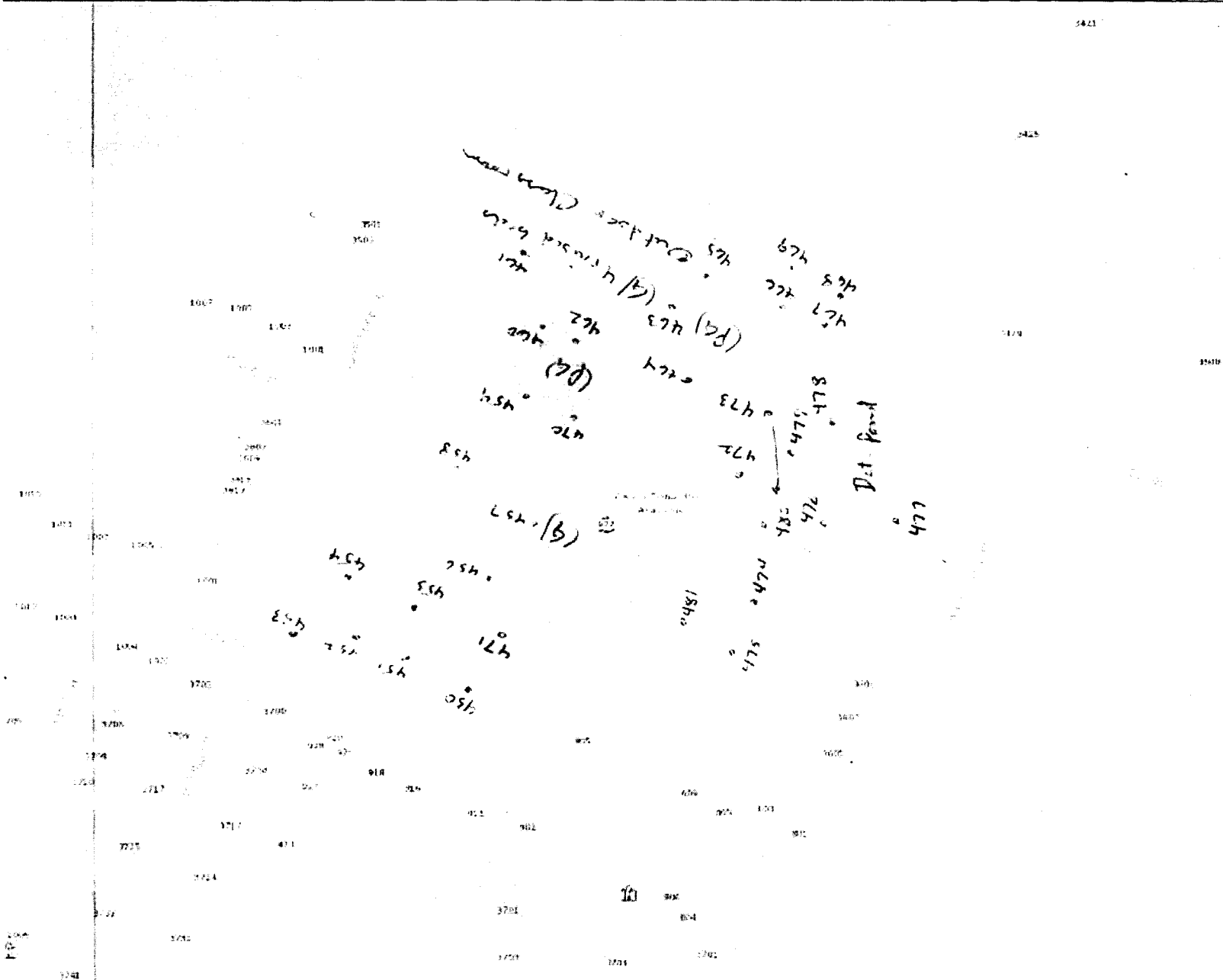
Chatt. Charter
Upper + Lower
School
2029 E. 23rd



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Legend

- Parcels
- County Boundary
- Recycling Centers
- Healthcare Facilities
- Emergency Services Locations
 - FIRE
 - MEDIC
 - POLICE
- Cemeteries
- Religious Facilities
- Schools
- Building Footprints
- Miscellaneous Structures
- Driveways
- Parking
- Water Bodies
- Other Water Bodies
- Recreational Areas
- Surrounding Hamilton

Calvin Donaldson
Elem.
927 E 37th St.

0 184.70 369.4 Feet

NAD_1983_StatePlane_Tennessee_FIPS_4100_Feet

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GISMO 5



Legend

- Parcels
- County Boundary
- Recycling Centers
- Healthcare Facilities
- Emergency Services Locations
 - FIRE
 - MEDIC
 - POLICE
- Cemeteries
- Religious Facilities
- Schools
- Building Footprints
- Miscellaneous Structures
- Driveways
- Parking
- Water Bodies
- Other Water Bodies
- Recreational Areas
- Surrounding Hamilton

East Lake
Elem.

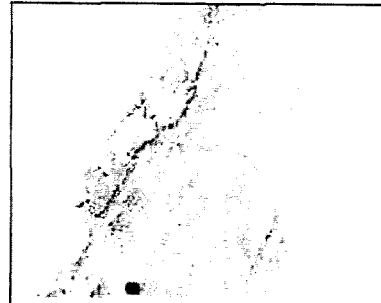
3600 13th Ave.

0 184.70 369.4 Feet

NAD_1983_StatePlane_Tennessee_FIPS_4100_Feet
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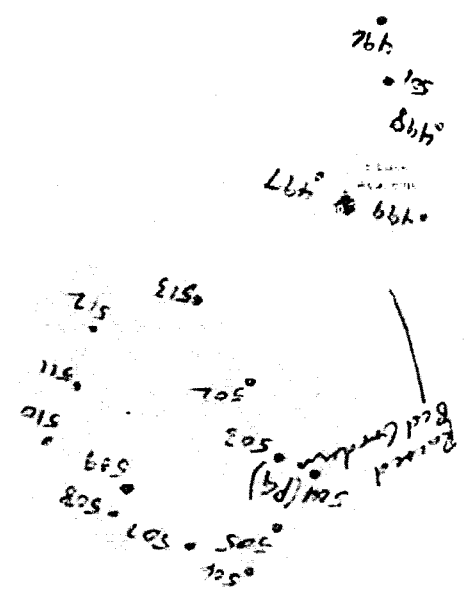


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- ## Legend
- Parcels
 - County Boundary
 - (R) Recycling Centers
 - (H) Healthcare Facilities
 - Emergency Services Locations
 - (F) FIRE
 - (M) MEDIC
 - (P) POLICE
 - (C) Cemeteries
 - (R) Religious Facilities
 - (S) Schools
 - Building Footprints
 - Miscellaneous Structures
 - Driveways
 - Parking
 - Water Bodies
 - Other Water Bodies
 - Recreational Areas
 - Surrounding Hamilton

East Lake
Academy
2700 E. 34th



0 369.40 738.8 Feet

NAD_1983_StatePlane_Tennessee_FIPS_4100_Feet

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Legend

- Parcels
- County Boundary
- Recycling Centers
- Healthcare Facilities
- Emergency Services Locations
 - FIRE
 - MEDIC
 - POLICE
- Cemeteries
- Religious Facilities
- Schools
- Building Footprints
- Miscellaneous Structures
- Driveways
- Parking
- Water Bodies
- Other Water Bodies
- Recreational Areas
- Surrounding Hamilton

Clifton Hills
Elem.

1815 E. 32nd

301.1

14.00

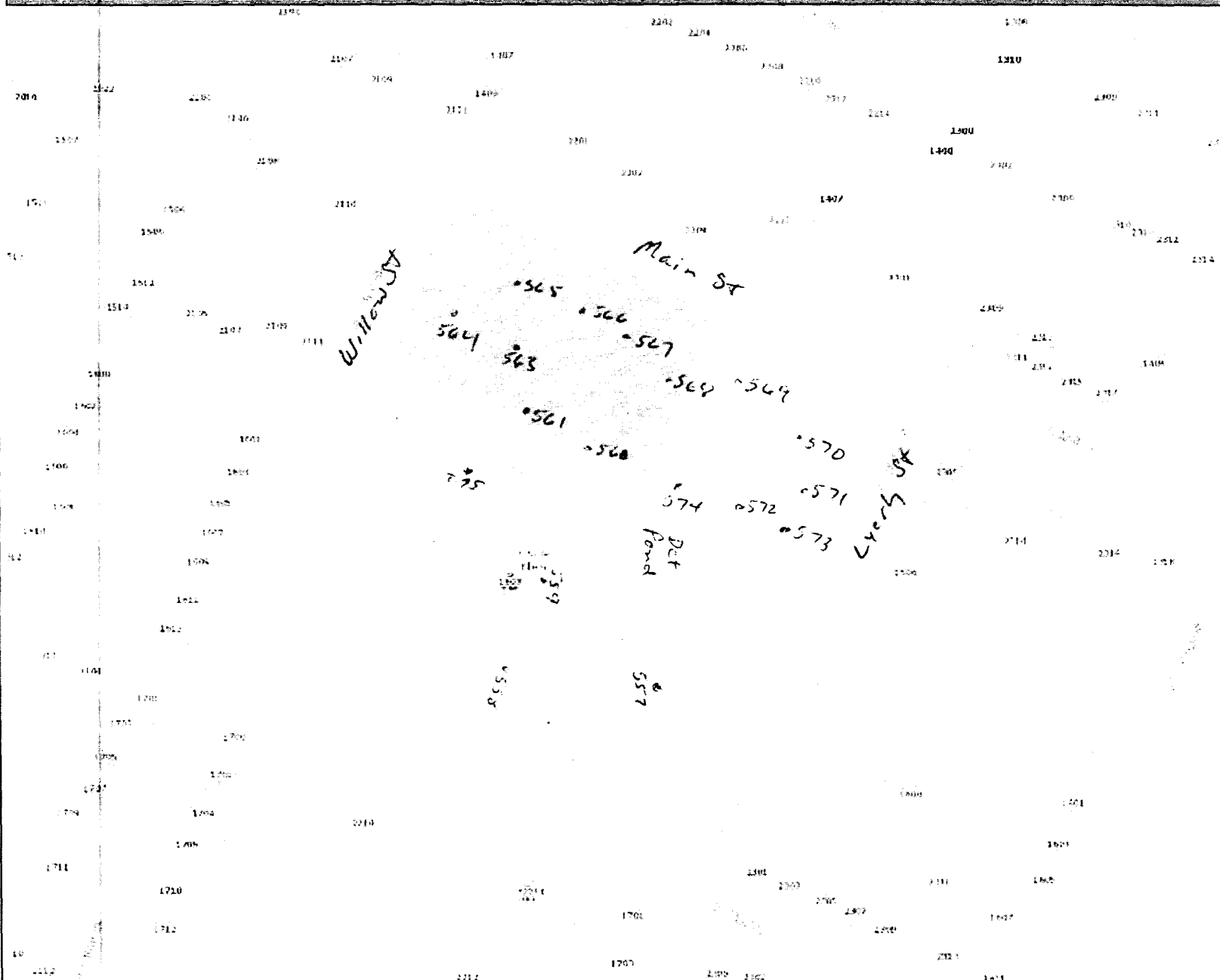
12

0 184.70 369.4 Feet

NAD_1983_StatePlane_Tennessee_FIPS_4100_Feet
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Legend

- Parcels
- County Boundary
- Recycling Centers
- Healthcare Facilities
- Emergency Services Locations
 - FIRE
 - MEDIC
 - POLICE
- Cemeteries
- Religious Facilities
- Schools
- Building Footprints
- Miscellaneous Structures
- Driveways
- Parking
- Water Bodies
- Other Water Bodies
- Recreational Areas
- Surrounding Hamilton

East Side Elem.
E.
Main Street
2200

0 184.70 369.4 Feet

NAD_1983_StatePlane_Tennessee_FIPS_4100_Feet

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Hines, Andrea

From: Jefferies, Jasmin
Sent: Tuesday, November 12, 2019 4:58 PM
To: Lowman Sandy
Subject: Re: ADDITIONAL AUTHORIZATION FORM FROM HCDE

Ms. Lowman,

Thank you for returning the access agreement form. We will be back in touch once the next sampling event has been scheduled.

Regards,
Jasmin Jefferies

On Nov 12, 2019, at 1:07 PM, Lowman Sandy <lowman_sandy@hcde.org> wrote:

Please find attached the authorization form for Chattanooga Charter School of Excellence. If you need anything else, please let us know.

Thank you.

Sandy Lowman, Executive Assistant

<image003.png>

Office of the Superintendent
3074 Hickory Valley Road | Chattanooga, TN 37421
423-498-7044 | ext. 20029
[website](#) | [facebook](#) | [twitter](#) | [instagram](#) | [youtube](#)
<CCSE Lead docs.pdf>

Hines, Andrea

From: Jefferies, Jasmin
Sent: Tuesday, November 12, 2019 4:59 PM
To: Lowman Sandy
Subject: Re: EPA ACCESS AUTHORIZATION FORMS FROM HCDE

Received. Thank you!

Jasmin

On Nov 12, 2019, at 9:15 AM, Lowman Sandy <lowman_sandy@hcde.org> wrote:

Good morning,

As I mentioned in my message left at your office this morning, I am sending the signed Access Authorization forms to your attention so that necessary testing can begin as soon as possible. Signed forms included in this email are for:

Calvin Donaldson Environmental Science Academy
Clifton Hills Elementary
East Lake Academy of Fine Arts
East Lake Elementary

East Side Elementary

As soon as I get the signed document from the principal at Chattanooga Charter School of Excellence, I will forward to your attention. If you need anything else from our office, please do not hesitate to contact us.

Thank you for your help in this process.

Sandy Lowman, Executive Assistant

<image003.png>

Office of the Superintendent
3074 Hickory Valley Road | Chattanooga, TN 37421
423-498-7044 | ext. 20029

[website](#) | [facebook](#) | [twitter](#) | [instagram](#) | [youtube](#)

<EPA Access Authorization Forms.pdf>



ACCESS AUTHORIZATION
SOUTHSIDE CHATTANOOGA LEAD SITE

1. I, Chattanooga Charter School of Excellence Middle, am the owner or tenant of the Property and as such I have the authority to sign this authorization.
2. I ☒ grant or ☐ deny authorization to the United States Environmental Protection Agency (EPA), and other authorized representatives to enter the property located at:

Chattanooga Charter School of Excellence (Upper School) - 1912 S Willow St., Chattanooga, TN 37404

This authorization allows the EPA, and other authorized representatives to have access to the Property to conduct sampling. The EPA's sampling activities at the Property will include, but not be limited to, the following:

- collecting soil and groundwater samples as may be determined to be necessary;
 - taking photographs of the Property;
 - transporting equipment onto and about the Property as necessary to accomplish the above activities; and
 - restoring areas disturbed by the sampling activities to their pre-sampling state to the maximum extent practicable; and
3. The consent for access and use granted herein will commence upon date of owner/tenant signature and will continue through the performance of all Remedial Investigation activities for which access is granted.
4. I realize that these actions by the EPA are undertaken pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, 42 U.S.C. & 9601 et seq., as amended.

Date November 12, 2019

Printed Name of Owner: Chattanooga Charter School of Excellence Middle

Signature: [Signature]

Mailing Address: 1912 S. Willow St, Chattanooga, TN 37404

Phone Number: 423-400-1692

Or (if applicable)

Date _____, 2019

Printed Name of Tenant: _____

Signature: _____

Mailing Address: _____

Phone Number: _____



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Remediation, Chattanooga Environmental Field Office
1301 Riverfront Parkway, Suite #206
Chattanooga, Tennessee 37402

January 15, 2020

Ms. Jasmin Jefferies
US Environmental Protection Agency
Superfund Division- Region 4
61 Forsyth Street
Atlanta, Georgia 30303

Subject: Results of XRF Screening
Public and Charter School Properties in the NPL Study Area
Southside Chattanooga Lead Site, TDOR No. 33-719
Chattanooga, Hamilton County, Tennessee

Dear Ms. Jefferies:

The Tennessee Division of Remediation (TDOR) is providing the attached report documenting XRF field screening at seven school properties in the downtown Chattanooga, Tennessee area. This screening was performed at the request of EPA based on the locations of each property within the National Priorities List (NPL) study area. The information provided in this report is intended to assist EPA in identifying school properties that should be considered for remedial actions due to elevated lead content in shallow soils.

If you have any questions or concerns regarding the contents of this report, please don't hesitate to contact either Pat Gribben at 423-634-5758 or Troy Keith at 423-634-5755.

Sincerely,

Pat Gribben, PG
Environmental Consultant I
Tennessee Division of Remediation

Troy Keith, PG
Environmental Consultant III
Tennessee Division of Remediation

FIELD METHODOLOGY

Access to each property was provided by Hamilton County Board of Education and Chattanooga Charter School of Excellence. In-situ screening was performed by TDEC-Division of Remediation (DoR) personnel on December 26, 2019 and January 7, 2020.

1. **Visual-** Suspect soils at the surface may exhibit a range of coloration including dark brown, black, and gray. These suspect soils generally appear fine grained and silty in texture. Foreign particles of slag and coal may also be present.
2. **X-Ray Fluorescence Analyzer Screening-** Real time screening data for heavy metals in soil can be obtained using an X-ray fluorescence analyzer. Both visually suspect and non-suspect locations are selected for in-situ analysis by placing the window of the analyzer directly on the ground surface or by covering window with a plastic bag before analyzing the surface. X-ray fluorescence measures the response or fluorescence in peak intensities emitted from a material when excited by an x-ray source to identify a specific element and its associated concentration in a matrix.

SCREENING RESULTS

A total of seven public and charter school properties were visually evaluated and screened with a Niton® XL5 X-ray Fluorescence Analyzer. Screening results for this reporting period are summarized in Table 1, attached. These properties include the following:

1. Calvin Donaldson Elementary, 927 East 37th Street
2. Clifton Hills Elementary, 1815 East 32nd Street
3. East Lake Elementary, 3600 13th Avenue
4. East Lake Academy, 2700 East 34th Street
5. East Side Elementary, 2200 East Main Street
6. Chattanooga Charter School of Excellence Middle School, 1912 South Willow Street
7. Chattanooga Charter School of Excellence Elementary, 2029 East 23rd Street

Figures 1 through 5 provide a comprehensive depiction of the locations of each property evaluated by the DoR, including during this period. DoR notes that at the time of screening, surface soils were observed to be very moist to saturated. XRF readings may potentially be biased low in the presence of excess soil moisture. A copy of TDOR's field notes and XRF data in table form are attached.

Lead concentrations identified through in-situ XRF screening varied widely across the properties surveyed. Lead concentrations ranged from **3 to 279 parts per million (ppm)** at Calvin Donaldson Elementary; **6 to 80 ppm** at East Lake Elementary; **4 to 104 ppm** at East Lake Academy; **9 to 236 ppm** at Clifton Hills Elementary; **22 to 134 ppm** at Chattanooga Charter Elementary; **15 to 189 ppm** at Chattanooga Charter Middle; and **7 to 112 ppm** at East Side Elementary.

DoR notes due to no play areas observed at East Lake Academy's campus, the adjacent East Lake Recreation Center (containing a playground and athletic fields) was screened. DoR understands that this facility is the property of the City of Chattanooga. Lead concentrations via in-situ XRF screening ranged

from 11 to 540 ppm. The screening location exceeding the 360 ppm threshold appears to be relatively isolated and located away from play areas.

CONCLUSIONS

Elevated concentrations of lead were identified by XRF screening; however, in each case lead concentrations were below the EPA cleanup threshold of 360 ppm. The notable exception, discussed above, was identified at the East Lake Recreation Center, which is owned by the City of Chattanooga. This property was screened due to its observed use and proximity to East Lake Academy.

Please see attachments for additional information.

Figures

Figure 1: Calvin Donaldson Elementary School

Figure 2: Clifton Hills Elementary School

Figure 3: East Lake Academy and Elementary Schools

Figure 4: East Side Elementary School

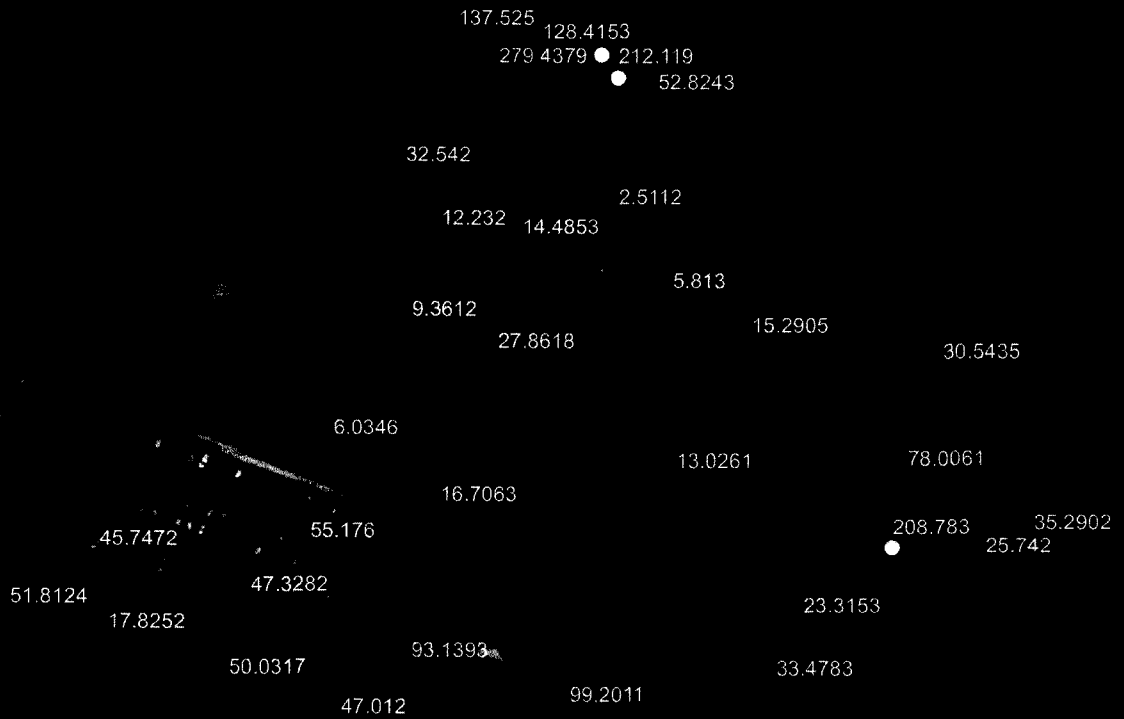
Figure 5: Chattanooga Charter Schools of Excellence (Middle and Elementary Schools)

Tables

Table 1: XRF Screening Results

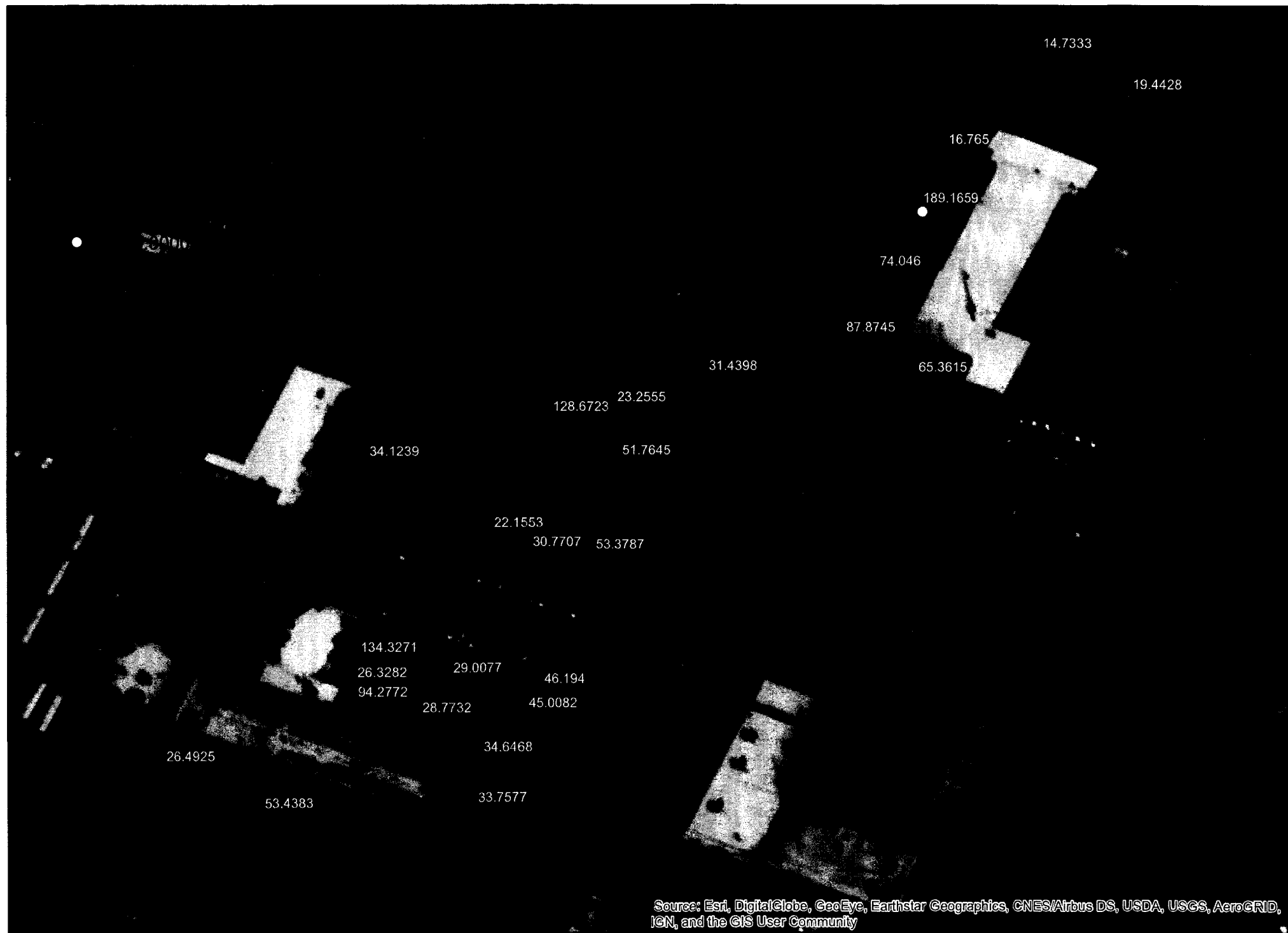
Field Notes and Sketches

TDoR In-Situ XRF Screenings Calvin Donaldson Elementary



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics,
CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS
User Community

FDOR II-FOUO AIR Screening
Chattanooga Charter Upper and Lower



TDOR In-Situ XRF Screenings Clifton Hills Elementary

49.1447
33.1737 43.2483 49.9682
8.6293
27.7266
10.5008
166.5504
60.2061 29.6339
27.8945
44.0409
35.1143
20.3424
123.0978
11.0365
18.9393
236.2402
31.0706
23.5608
30.2442
36.658
40.8711
33.8637

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics,
CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS
User Community

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

East Lake Academy and East Lake Elementary

27.7649

20.9979

9.1496

103.9091

42.6345

39.0476

East Lake Academy

91.8769

21.0206

78.0559

11.3094

69.6904

187.9507

48.0347

18.8842

126.4247

95.7995

539.8327

155.3625

22.3581

50.0173

6.318

21.5393

80.24

4.207

18.571

15.8191

22.582

22.582

13.935

30.5826

23.8408

East Lake Elementary

East Side Elementary

31.5314

7.0144

9.8373

24.5106

12.5016

8.9576

12.7128

26.181

9.3074

20.1944

111.9783

29.0286

21.9859

9.3416

18.3789

10.4412

8.7437

27.9217

Table 1
XRF Screening Results

Reading No	Time	Sigma Value	Units	Mode	Pb	Pb 2-Sigma	Longitude	Latitude
449	Thu Dec 26, 2019 - 09:55:52	0	ppm		System Check			
450	Thu Dec 26, 2019 - 10:04:47	2	ppm	Soils	47.012	2.1309	-85.318733	35.010338
451	Thu Dec 26, 2019 - 10:05:50	2	ppm	Soils	50.0317	3.0079	-85.318977	35.01046
452	Thu Dec 26, 2019 - 10:07:03	2	ppm	Soils	17.8252	1.9025	-85.31929	35.010612
453	Thu Dec 26, 2019 - 10:08:06	2	ppm	Soils	51.8124	2.7014	-85.319542	35.010487
454	Thu Dec 26, 2019 - 10:09:29	2	ppm	Soils	45.7472	2.5666	-85.319321	35.010803
455	Thu Dec 26, 2019 - 10:10:32	2	ppm	Soils	47.3282	2.5329	-85.319008	35.01062
456	Thu Dec 26, 2019 - 10:11:51	2	ppm	Soils	55.176	3.1791	-85.318733	35.010769
457	Thu Dec 26, 2019 - 10:13:13	2	ppm	Soils	16.7063	1.7591	-85.318481	35.010933
458	Thu Dec 26, 2019 - 10:15:01	2	ppm	Soils	6.0346	1.1639	-85.318703	35.011139
459	Thu Dec 26, 2019 - 10:16:05	2	ppm	Soils	9.3612	1.7341	-85.318474	35.011356
460	Thu Dec 26, 2019 - 10:17:17	2	ppm	Soils	12.232	1.3835	-85.318382	35.011627
461	Thu Dec 26, 2019 - 10:18:14	2	ppm	Soils	32.542	2.1813	-85.318573	35.01173
462	Thu Dec 26, 2019 - 10:19:28	2	ppm	Soils	14.4853	1.8984	-85.318306	35.011559
463	Thu Dec 26, 2019 - 10:20:24	2	ppm	Soils	2.5112	1.0682	-85.318039	35.011623
464	Thu Dec 26, 2019 - 10:21:32	2	ppm	Soils	5.813	1.2592	-85.317902	35.01141
465	Thu Dec 26, 2019 - 10:23:08	2	ppm	Soils	52.8243	2.4306	-85.31794	35.011913
466	Thu Dec 26, 2019 - 10:24:15	2	ppm	Soils	128.4153	2.8821	-85.31823	35.012039
467	Thu Dec 26, 2019 - 10:25:08	2	ppm	Soils	137.525	3.0331	-85.318298	35.012074
468	Thu Dec 26, 2019 - 10:27:14	2	ppm	Soils	212.119	3.886	-85.318039	35.011978
469	Thu Dec 26, 2019 - 10:29:00	2	ppm	Soils	279.4379	4.4022	-85.317833	35.011955
470	Thu Dec 26, 2019 - 10:31:19	2	ppm	Soils	27.8618	2.0722	-85.318268	35.011211
471	Thu Dec 26, 2019 - 10:35:07	2	ppm	Soils	93.1393	3.8439	-85.318657	35.010532
472	Thu Dec 26, 2019 - 10:44:28	2	ppm	Soils	208.783	4.0127	-85.317352	35.010792
473	Thu Dec 26, 2019 - 10:46:04	2	ppm	Soils	25.742	2.2891	-85.317146	35.010754
474	Thu Dec 26, 2019 - 10:47:58	2	ppm	Soils	23.3153	1.9189	-85.317574	35.010593
475	Thu Dec 26, 2019 - 10:50:45	2	ppm	Soils	33.4783	2.2893	-85.317642	35.010433
476	Thu Dec 26, 2019 - 11:03:33	2	ppm	Soils	78.0061	2.842	-85.317314	35.010963
477	Thu Dec 26, 2019 - 11:05:35	2	ppm	Soils	35.2902	2.3763	-85.317001	35.010803
478	Thu Dec 26, 2019 - 11:07:34	2	ppm	Soils	30.5435	2.1572	-85.317192	35.011147
479	Thu Dec 26, 2019 - 11:09:16	2	ppm	Soils	15.2905	1.9993	-85.317703	35.011299
480	Thu Dec 26, 2019 - 11:10:16	2	ppm	Soils	13.0261	1.9813	-85.317894	35.010956
481	Thu Dec 26, 2019 - 11:13:51	2	ppm	Soils	99.2011	3.3806	-85.318161	35.010368
482	Thu Dec 26, 2019 - 11:30:32	2	ppm	Soils	13.935	1.6512	-85.2798	34.9981
483	Thu Dec 26, 2019 - 11:31:45	2	ppm	Soils	30.5826	2.5169	-85.2797	34.998
484	Thu Dec 26, 2019 - 11:32:55	2	ppm	Soils	22.582	1.6691	-85.279541	34.998287
485	Thu Dec 26, 2019 - 11:33:36	2	ppm	Soils	15.8191	1.8746	-85.279533	34.998459
486	Thu Dec 26, 2019 - 11:34:51	2	ppm	Soils	29.9798	2.5529	-85.279877	34.998314
487	Thu Dec 26, 2019 - 11:36:05	2	ppm	Soils	18.5712	1.8492	-85.280128	34.998451
488	Thu Dec 26, 2019 - 11:37:38	2	ppm	Soils	21.5393	2.4279	-85.2798	34.998848
489	Thu Dec 26, 2019 - 11:39:20	2	ppm	Soils	22.3581	2.1328	-85.279602	34.999325
490	Thu Dec 26, 2019 - 11:40:27	2	ppm	Soils	50.0173	3.2474	-85.279434	34.99929
491	Thu Dec 26, 2019 - 11:41:32	2	ppm	Soils	6.318	1.471	-85.279045	34.999138
492	Thu Dec 26, 2019 - 11:42:58	2	ppm	Soils	80.24	2.8827	-85.278824	34.998814
493	Thu Dec 26, 2019 - 11:43:57	2	ppm	Soils	14.207	2.1132	-85.279114	34.998547
494	Thu Dec 26, 2019 - 11:45:16	2	ppm	Soils	23.8408	2.522	-85.279549	34.997959
495	Thu Dec 26, 2019 - 11:48:19	2	ppm	Soils	26.1219	1.664	-85.279182	34.99712
496	Thu Dec 26, 2019 - 11:56:02	2	ppm	Soils	27.7649	2.1681	-85.281975	35.002014
497	Thu Dec 26, 2019 - 11:59:55	2	ppm	Soils	103.9091	3.5515	-85.282326	35.001488
498	Thu Dec 26, 2019 - 12:01:47	2	ppm	Soils	9.1496	1.5685	-85.281654	35.001751
499	Thu Dec 26, 2019 - 12:02:59	2	ppm	Soils	42.6345	2.0612	-85.281586	35.001389
500	Thu Dec 26, 2019 - 12:04:15	2	ppm	Soils	39.0476	2.1756	-85.281738	35.001244
501	Thu Dec 26, 2019 - 12:06:32	2	ppm	Soils	20.9979	2.2297	-85.281799	35.001915
502	Thu Dec 26, 2019 - 12:10:52	2	ppm	Soils	78.0559	2.4186	-85.282501	35.000397
503	Thu Dec 26, 2019 - 12:12:03	2	ppm	Soils	69.6904	2.9327	-85.282494	35.000164
504	Thu Dec 26, 2019 - 12:13:36	2	ppm	Soils	187.9507	3.5178	-85.282204	35.000107
505	Thu Dec 26, 2019 - 12:14:38	2	ppm	Soils	18.8842	1.9802	-85.282402	34.999832
506	Thu Dec 26, 2019 - 12:16:30	2	ppm	Soils	126.4247	2.8865	-85.282722	34.999435
507	Thu Dec 26, 2019 - 12:17:38	2	ppm	Soils	539.8327	6.215	-85.282837	34.999374
508	Thu Dec 26, 2019 - 12:18:34	2	ppm	Soils	95.7995	3.0283	-85.283035	34.999329
509	Thu Dec 26, 2019 - 12:19:32	2	ppm	Soils	155.3625	3.5128	-85.283073	34.999367
510	Thu Dec 26, 2019 - 12:21:39	2	ppm	Soils	48.0347	1.9731	-85.283676	34.999889
511	Thu Dec 26, 2019 - 12:23:16	2	ppm	Soils	11.3094	1.3887	-85.28392	35.000183
512	Thu Dec 26, 2019 - 12:24:57	2	ppm	Soils	21.0206	1.5797	-85.283974	35.000591

Table 1
XRF Screening Results

513	Thu Dec 26, 2019 - 12:27:11	2	ppm	Soils	91.8769	3.0496	-85.282997	35.000782
514	Thu Dec 26, 2019 - 13:09:21	2	ppm	Soils	36.658	2.5134	-85.2907	35.0081
515	Thu Dec 26, 2019 - 13:10:39	2	ppm	Soils	40.8711	2.8898	-85.2903	35.0081
516	Thu Dec 26, 2019 - 13:12:17	2	ppm	Soils	33.8637	1.6302	-85.290466	35.007961
517	Thu Dec 26, 2019 - 13:13:22	2	ppm	Soils	30.2442	2.262	-85.290047	35.008255
518	Thu Dec 26, 2019 - 13:14:14	2	ppm	Soils	31.0706	2.5251	-85.289963	35.008461
519	Thu Dec 26, 2019 - 13:15:11	2	ppm	Soils	18.9393	2.5255	-85.289726	35.008572
520	Thu Dec 26, 2019 - 13:17:34	2	ppm	Soils	23.5608	2.5328	-85.291222	35.008205
521	Thu Dec 26, 2019 - 13:19:01	2	ppm	Soils	236.2402	3.9855	-85.29155	35.008465
522	Thu Dec 26, 2019 - 13:20:35	2	ppm	Soils	35.1143	2.3015	-85.291367	35.008762
523	Thu Dec 26, 2019 - 13:21:40	2	ppm	Soils	44.0409	2.3441	-85.291557	35.008759
524	Thu Dec 26, 2019 - 13:22:31	2	ppm	Soils	27.8945	2.714	-85.291527	35.009041
525	Thu Dec 26, 2019 - 13:23:24	2	ppm	Soils	60.2961	2.7607	-85.291489	35.009193
526	Thu Dec 26, 2019 - 13:24:51	2	ppm	Soils	166.5504	3.3714	-85.291374	35.009251
527	Thu Dec 26, 2019 - 13:25:44	2	ppm	Soils	29.6339	2.5622	-85.291145	35.009167
528	Thu Dec 26, 2019 - 13:26:42	2	ppm	Soils	10.5008	1.9072	-85.290962	35.009396
529	Thu Dec 26, 2019 - 13:28:01	2	ppm	Soils	27.7266	2.4763	-85.290764	35.009388
530	Thu Dec 26, 2019 - 13:28:37	2	ppm	Soils	8.6293	1.8573	-85.290634	35.009533
531	Thu Dec 26, 2019 - 13:29:35	2	ppm	Soils	49.9682	2.574	-85.290733	35.009811
532	Thu Dec 26, 2019 - 13:30:26	2	ppm	Soils	43.2483	2.9437	-85.291031	35.009777
533	Thu Dec 26, 2019 - 13:31:27	2	ppm	Soils	49.1447	2.4996	-85.291359	35.009872
534	Thu Dec 26, 2019 - 13:32:18	2	ppm	Soils	33.1737	2.2856	-85.291573	35.009762
535	Thu Dec 26, 2019 - 13:34:57	2	ppm	Soils	123.0978	3.7281	-85.290588	35.008968
536	Thu Dec 26, 2019 - 13:35:45	2	ppm	Soils	11.0365	1.8848	-85.290482	35.008873
537	Thu Dec 26, 2019 - 13:36:50	2	ppm	Soils	20.3424	2.0227	-85.290855	35.008781
538	Thu Dec 26, 2019 - 13:49:27	2	ppm	Soils	26.4925	2.0901	-85.281532	35.018974
539	Thu Dec 26, 2019 - 13:51:17	2	ppm	Soils	53.4383	2.8948	-85.281273	35.018852
540	Thu Dec 26, 2019 - 13:52:45	2	ppm	Soils	33.7577	2.143	-85.280716	35.018867
541	Thu Dec 26, 2019 - 13:53:32	2	ppm	Soils	34.6468	2.5573	-85.280701	35.018997
542	Thu Dec 26, 2019 - 13:54:15	2	ppm	Soils	28.7732	2.3119	-85.280861	35.0191
543	Thu Dec 26, 2019 - 13:55:06	2	ppm	Soils	94.2772	3.0388	-85.280975	35.019157
544	Thu Dec 26, 2019 - 13:55:54	2	ppm	Soils	26.3282	1.9808	-85.281029	35.019192
545	Thu Dec 26, 2019 - 13:56:58	2	ppm	Soils	134.3271	3.2773	-85.281021	35.019257
546	Thu Dec 26, 2019 - 13:57:44	2	ppm	Soils	29.0077	1.802	-85.280838	35.019199
547	Thu Dec 26, 2019 - 13:58:53	2	ppm	Soils	46.194	3.0207	-85.280586	35.019157
548	Thu Dec 26, 2019 - 13:59:31	2	ppm	Soils	45.0082	2.5641	-85.280594	35.019154
549	Thu Dec 26, 2019 - 14:03:05	2	ppm	Soils	22.1553	2.875	-85.2808	35.01968
550	Thu Dec 26, 2019 - 14:03:44	2	ppm	Soils	34.1239	2.6709	-85.280876	35.019943
551	Thu Dec 26, 2019 - 14:04:50	2	ppm	Soils	128.6723	3.5301	-85.280518	35.01989
552	Thu Dec 26, 2019 - 14:05:32	2	ppm	Soils	23.2555	2.0179	-85.280357	35.019917
553	Thu Dec 26, 2019 - 14:06:24	2	ppm	Soils	51.7645	2.515	-85.280334	35.019775
554	Thu Dec 26, 2019 - 14:07:33	2	ppm	Soils	31.4398	2.4599	-85.280106	35.019997
555	Thu Dec 26, 2019 - 14:08:48	2	ppm	Soils	53.3787	2.8148	-85.28038	35.019455
556	Thu Dec 26, 2019 - 14:09:38	2	ppm	Soils	30.7707	2.0101	-85.280571	35.019608
557	Thu Dec 26, 2019 - 14:22:53	2	ppm	Soils	27.9217	1.991	-85.275269	35.02285
558	Thu Dec 26, 2019 - 14:25:06	2	ppm	Soils	8.7437	1.1676	-85.275848	35.022877
559	Thu Dec 26, 2019 - 14:26:18	2	ppm	Soils	10.4412	1.4027	-85.275635	35.023212
560	Thu Dec 26, 2019 - 14:29:11	2	ppm	Soils	20.1944	1.8575	-85.275475	35.023655
561	Thu Dec 26, 2019 - 14:30:12	2	ppm	Soils	26.181	1.9665	-85.275642	35.023819
562	Thu Dec 26, 2019 - 14:32:17	2	ppm	Soils	29.0286	1.9182	-85.275978	35.023548
563	Thu Dec 26, 2019 - 14:34:14	2	ppm	Soils	8.9576	1.3707	-85.275772	35.023964
564	Thu Dec 26, 2019 - 14:35:39	2	ppm	Soils	7.0144	1.3042	-85.276085	35.024155
565	Thu Dec 26, 2019 - 14:36:37	2	ppm	Soils	31.5314	2.5719	-85.275856	35.024208
566	Thu Dec 26, 2019 - 14:37:38	2	ppm	Soils	24.5106	1.7244	-85.275719	35.0242
567	Thu Dec 26, 2019 - 14:39:09	2	ppm	Soils	9.8373	1.147	-85.27552	35.024185
568	Thu Dec 26, 2019 - 14:40:02	2	ppm	Soils	12.5016	1.4073	-85.275391	35.024082
569	Thu Dec 26, 2019 - 14:41:23	2	ppm	Soils	12.7128	1.5876	-85.274834	35.023911
570	Thu Dec 26, 2019 - 14:42:33	2	ppm	Soils	9.3074	2.2695	-85.27459	35.023693
571	Thu Dec 26, 2019 - 14:43:57	2	ppm	Soils	111.9783	3.9409	-85.274506	35.023617
572	Thu Dec 26, 2019 - 14:45:27	2	ppm	Soils	9.3416	2.6413	-85.274811	35.023258
573	Thu Dec 26, 2019 - 14:46:01	2	ppm	Soils	18.3789	1.8945	-85.27475	35.023201
574	Thu Dec 26, 2019 - 14:47:11	2	ppm	Soils	21.9859	2.5555	-85.275162	35.023453
595	Tue Jan 7, 2020 - 12:03:58	0	ppm	System Check				
596	Tue Jan 7, 2020 - 12:31:06	2	ppm	Soils	87.8745	3.3964	-85.279678	35.019951
597	Tue Jan 7, 2020 - 12:32:30	2	ppm	Soils	65.3615	2.9608	-85.279678	35.019882

Table 1
XRF Screening Results

598	Tue Jan 7, 2020 - 12:33:59	2	ppm	Soils	74.046	2.5423	-85.279655	35.020271
599	Tue Jan 7, 2020 - 12:35:46	2	ppm	Soils	189.1659	3.6536	-85.279518	35.020416
600	Tue Jan 7, 2020 - 12:36:35	2	ppm	Soils	16.765	1.9587	-85.279533	35.020432
601	Tue Jan 7, 2020 - 12:39:04	2	ppm	Soils	19.4428	2.1855	-85.278992	35.020729
602	Tue Jan 7, 2020 - 12:39:54	2	ppm	Soils	14.7333	2.1282	-85.279228	35.020836

Calvin Davidson 12/26/19
Hamilton Co. Sheds
929 E 37th Street

Weather: Clear 50°
Persons: T. Keith P. Gibson

2900 - Arrive onsite
Call Frank Biffing for access

Zone #	Plat-	Asst-	Comment
449	51+/-	44+/-	OK
452	47+/-	44+/-	
451	50+/-	44+/-	
452	15+/-	<2	
453	52+/-	<4	
454	44+/-	64+/-	
455	47+/-	7+/-	
456	55+/-	<5	
457	17+/-	61+/-	Barren
458	64+/-	<2	
459	91+/-	27+/-	Flunground
460	12+/-	44+/-	Flunground
461	33+/-	11+/-	Barren
462	14+/-	51+/-	Flunground
463	37+/-	<2	Flunground
464	64+/-	27+/-	
465	53+/-	57+/-	
466	125+/-	44+/-	

2052

Kenney	Plat-	Asst-	Comment
467	133+/-	<4	C. Gibson
468	204+/-	74+/-	O. Gibson
469	274+/-	164+/-	O. Gibson
470	281+/-	114+/-	Flunground
471	934+/-	104+/-	East drain
472	209+/-	134+/-	
473	264+/-	64+/-	
474	23+/-	3+/-	
475	33+/-	64+/-	
476	734+/-	74+/-	Det. Pond area
477	35+/-	64+/-	
478	314+/-	54+/-	Flunground
479	154+/-	84+/-	
480	134+/-	3+/-	
481	994+/-	<5	

Good vegetation cover throughout
w/ exception of outdoor classroom

Soil visibly moist to wet

10:20 - Depart site

Project Chart
3000 Hamilton & Seabrook
3000 13th Avenue

Weather: Clear 50.
Personnel: T. Keith, P. Sullivan

1030 - Arrive onsite

Feeding #	Fl + L	As + L	Comment
482	14 + 1 - 2	2 + 1 - 1	
483	3 + 1 - 3	7 + 1 - 2	
484	23 + 1 - 2	6 + 1 - 1	
485	16 + 1 - 2	2 + 1 - 1	
486	30 + 1 - 3	6 + 1 - 3	Shingling
487	17 + 1 - 2	3 + 1 - 1	
488	22 + 1 - 2	4 + 1 - 2	
489	22 + 1 - 2	2 + 1 - 2	
490	50 + 1 - 3	7 + 1 - 2	
491	6 + 1 - 1	2 + 1 - 1	
492	80 + 1 - 3	7 + 1 - 2	
493	14 + 1 - 2	5 + 1 - 2	
494	24 + 1 - 3	5 + 1 - 2	
495	26 + 1 - 2	6 + 1 - 1	See field

Good vegetation cover
Sides visible mount
1055 - Depart site

Project Chart
Hamilton & Seabrook
2700 E. 34th Street

Weather: Clear 60.
Personnel: T. Keith, P. Sullivan

1100 - Arrive onsite

Feeding #	Fl + L	As + L	Comment
496	28 + 1 - 2	4 + 1 - 2	
497	104 + 1 - 4	74 + 1 - 3	
498	9 + 1 - 2	< 3	
499	43 + 1 - 2	< 2	
500	38 + 1 - 2	4 + 1 - 2	Carden
501	21 + 1 - 2	5 + 1 - 2	
502	73 + 1 - 2	7 + 1 - 2	
503	70 + 1 - 3	74 + 1 - 2	Playground
504	188 + 1 - 4	124 + 1 - 3	Playground
505	19 + 1 - 2	< 3	Playground
506	120 + 1 - 3	9 + 1 - 2	Fee. water
507	540 + 1 - 4	29 + 1 - 4	Fee. water
508	76 + 1 - 3	7 + 1 - 2	Fee. water
509	155 + 1 - 4	13 + 1 - 3	Fee. water
510	48 + 1 - 2	4 + 1 - 1	Ball Field
511	11 + 1 - 1	3 + 1 - 1	Ball Field
512	21 + 1 - 2	< 2	Ball Field
513	72 + 1 - 3	< 3	RT exits

Ballfield, lower power cover, well
1130 - Depart site

100-443887-1

[illegible]

 AMERICAN PSYCHOLOGICAL ASSOCIATION
 1200 17th St., N.W., Washington, D.C. 20036-2000
 (202) 336-6000 • FAX (202) 336-6008
 E-MAIL: info@apa.org

1815 E. 32nd Street

Weather: Clear &c.
Personnel: T. Keith, P. Gribben
1210 - Arrive on site

Reading #	Pb +/-	Pst +/-	Comment
514	37 +/- 3	6 +/- 2	
515	41 +/- 3	7 +/- 2	
516	34 +/- 2	4 +/- 1	
517	30 +/- 2	< 3	
518	31 +/- 3	5 +/- 2	
519	19 +/- 3	< 3	
520	24 +/- 3	< 3	
521	25 +/- 4	14 +/- 3	
522	35 +/- 2	< 4	
523	44 +/- 2	4 +/- 2	
524	23 +/- 3	< 3	
525	60 +/- 3	7 +/- 2	
526	102 +/- 3	10 +/- 2	
527	30 +/- 3	9 +/- 2	
528	11 +/- 2	5 +/- 1	
529	28 +/- 2	4 +/- 2	
530	9 +/- 2	4 +/- 1	
531	50 +/- 3	3 +/- 2	
532	47 +/- 3	4 +/- 2	

Reading #	Pb +/-	As +/-	Cadmium
533	49 +/- 2	5 +/- 2	
534	33 +/- 2	4 +/- 2	
535	123 +/- 4	11 +/- 3	
536	11 +/- 2	2 +/- 1	
537	20 +/- 2	43	

Moisture - vegetation cover
Soils are varying in wet
1940 - Deparmit site

12/12/12

Hamilton Co. Schools
2029 E 23rd Street

Weather: Clear 60:
Personnel: T. Keith, P. Giblin

1250 - Arrive on-site

Reading #	Pb+/-	As+/-	Comment
538	26+/-2	4+/-2	
539	53+/-3	11+/-2	
540	34+/-2	3+/-2	
541	35+/-3	5+/-2	
542	29+/-2	<4	
543	94+/-3	8+/-2	
544	24+/-2	<2	
545	134+/-3	7+/-2	
546	29+/-2	<2	
547	46+/-3	6+/-2	
548	45+/-3	4+/-2	
549	22+/-3	6+/-2	Swaps Personnel
550	34+/-3	5+/-2	Swaps
551	S 129+/-4	7+/-3	Field
552	23+/-2	<3	Field
553	52+/-3	<4	Field
554	31+/-2	<4	Field
555	53+/-3	<4	Buttsey

Reading #	Pb+/-	As+/-	Comment
556	31+/-2	3+/-1	Screen goal

Upper school
Arrive @ 1315

Reading #	Pb+/-	As+/-	Comment
-----------	-------	-------	---------

No access Per Frank
B. Library, not a Hamilton
Co. School

Pat 4/12
12/26/19

Eastside Elem 12/20/19

Personnel: T. Keith, P. Enikhan
1325 - Arrive onsite
2200 in Main Street

Reading #	Pb+/-	As+/-	Comment
552	28+/--2	5+/--1	
553	9+/--1	<1	
554	10+/--1	<2	
555	20+/--2	4+/--1	
556	26+/--3	5+/--1	
557	29+/--2	3+/--1	
558	9+/--1	<2	
559	7+/--1	<1	
560	32+/--3	10+/--2	
561	25+/--2	3+/--1	
562	12+/--1	<1	
563	13+/--1	<2	
564	13+/--2	4+/--1	
565	9+/--2	3+/--2	
566	112+/--4	15+/--3	
567	9+/--2	6+/--2	
568	18+/--2	7+/--1	
569	23+/--3	6+/--2	

1/4/10 - Depart site

2052

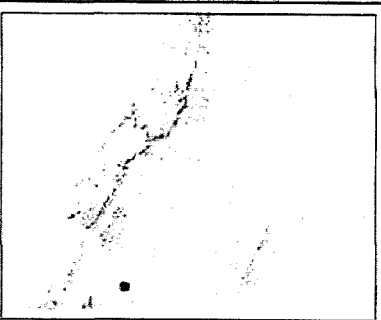
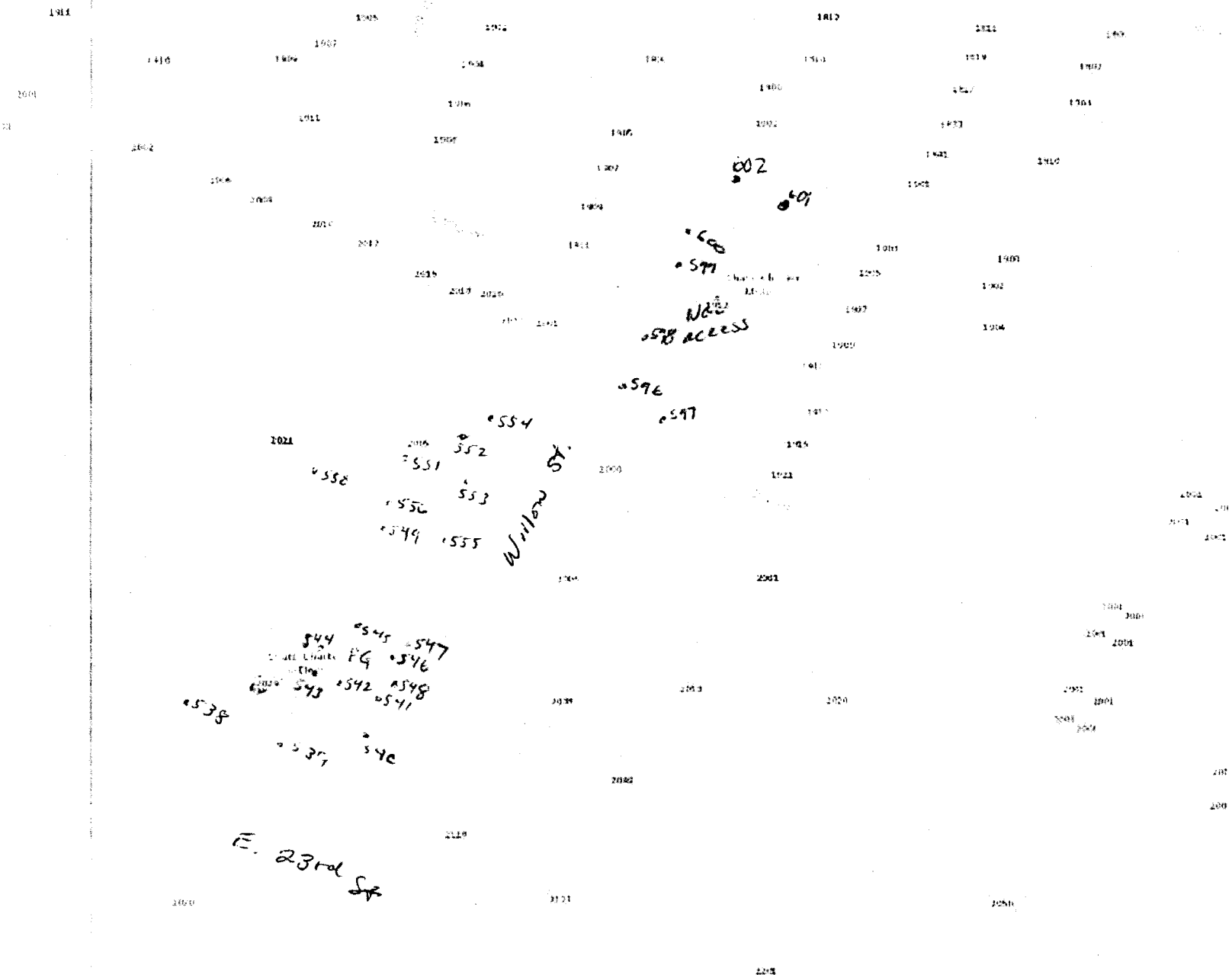
12/20/19

Don't T. Keith, Any kitchen
 EPA. Smith









11:00 Arrive work

Sheet #	Pk	As
595	Sub-check	OK
596	88±3	4±2
597	65±3	6±2
598	74±3	5±2
599	69±4	6±3
600	17±2	43
601	19±2	44
602	15±2	5±2

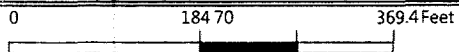
GLSNO 5



Legend

- Parcels
- County Boundary
-  Recycling Centers
-  Healthcare Facilities
- Emergency Services Locations
 -  FIRE
 -  MEDIC
 -  POLICE
-  Cemeteries
-  Religious Facilities
-  Schools
- Building Footprints
- Miscellaneous Structures
- Driveways
- Parking
- Water Bodies
- Other Water Bodies
- Recreational Areas
 - Surrounding
 - Hamilton

Chatt. Charter
Upper + Lower
School
2029 E. 23rd



NAD_1983_StatePlane_Tennessee_FIPS_4100_Feet
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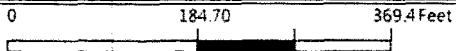


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- Parcels
- County Boundary
- (R) Recycling Centers
- (H) Healthcare Facilities
- Emergency Services Locations
 - FIRE
 - MEDIC
 - POLICE
- Cemeteries
- Religious Facilities
- Schools
- Building Footprints
- Miscellaneous Structures
- Driveways
- Parking
- Water Bodies
- Other Water Bodies
- Recreational Areas
- Surrounding Hamilton

Calvin Donaldson
Elem.
927 E 37th St.

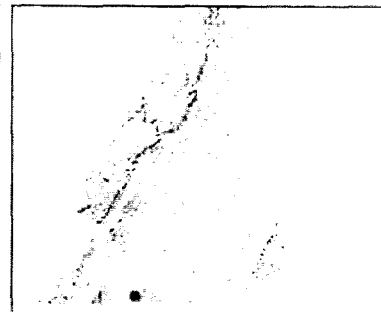


NAD_1983_StatePlane_Tennessee_FIPS_4100_Feet
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GISMO 5

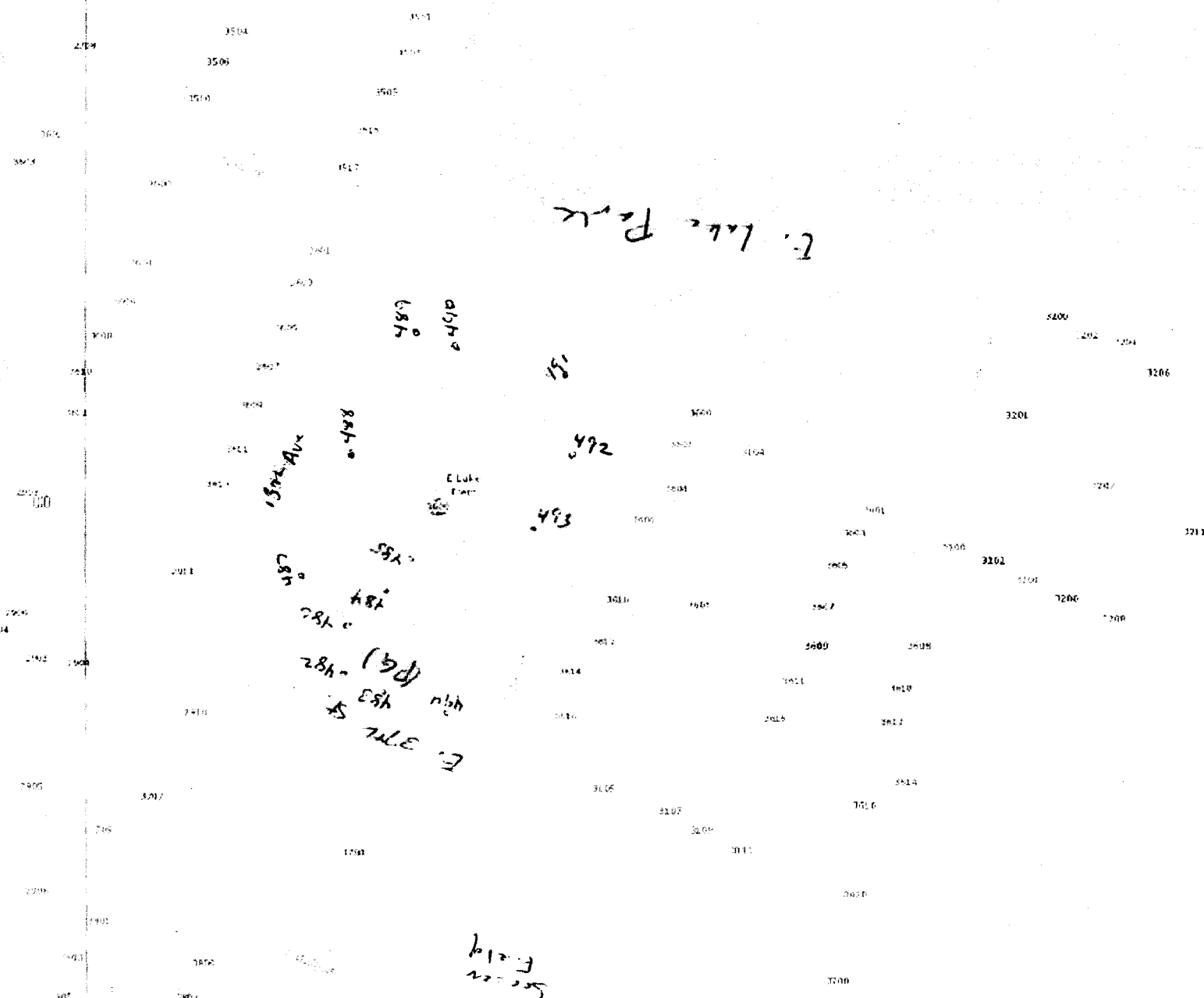


Legend

- Parcels
- County Boundary
- Recycling Centers
- Healthcare Facilities
- Emergency Services Locations
 - FIRE
 - MEDIC
 - POLICE
- Cemeteries
- Religious Facilities
- Schools
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- Miscellaneous Structures
- Driveways
- Parking
- Water Bodies
- Other Water Bodies
- Recreational Areas
- Surrounding Hamilton

East Lake
Elem.

3600 13th Ave.

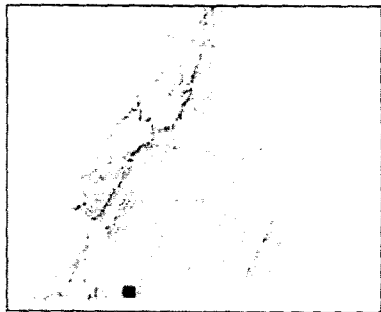


0 184.70 369.4 Feet



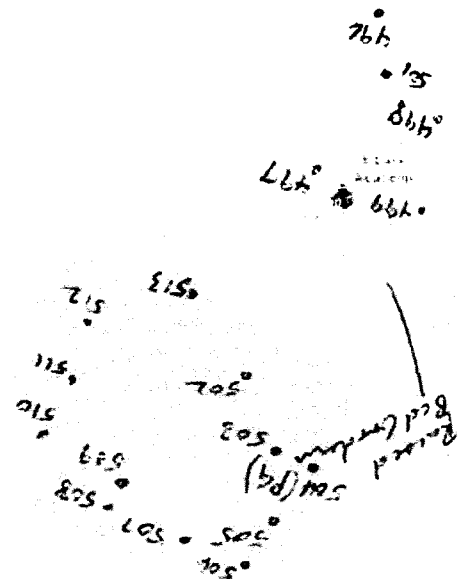
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GIS NO 5



Legend

- Parcels
- County Boundary
- Recycling Centers
- Healthcare Facilities
- Emergency Services Locations
 - FIRE
 - ⊕ MEDIC
 - Ⓜ POLICE
- Cemeteries
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- Driveways
- Parking
- Water Bodies
- Other Water Bodies
- Recreational Areas
- Surrounding
 - Hamilton



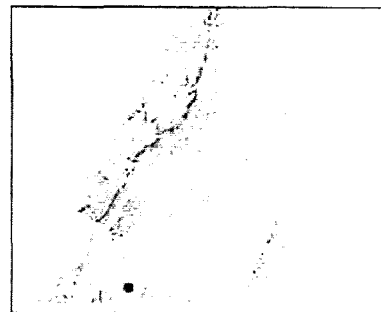
East Lake
Academy
2700 E. 34th

0 369.40 738.8 Feet



GISMO 5

Bull Field 531
 533 532
 534 529
 525 526
 524 527
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 522 535
 524 LES
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 514
 515 516
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 519



Legend

- Parcels
- County Boundary
- Ⓜ Recycling Centers
- Ⓜ Healthcare Facilities
- Emergency Services Locations
 - FIRE
 - MEDIC
 - POLICE
- Ⓜ Cemeteries
- Ⓜ Religious Facilities
- Ⓜ Schools
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- Recreational Areas
 - Surrounding
 - Hamilton

Clifton Hills
Elem.

1815 E. 32nd

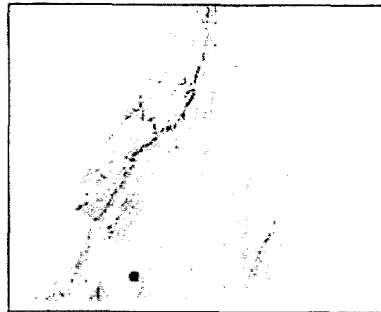
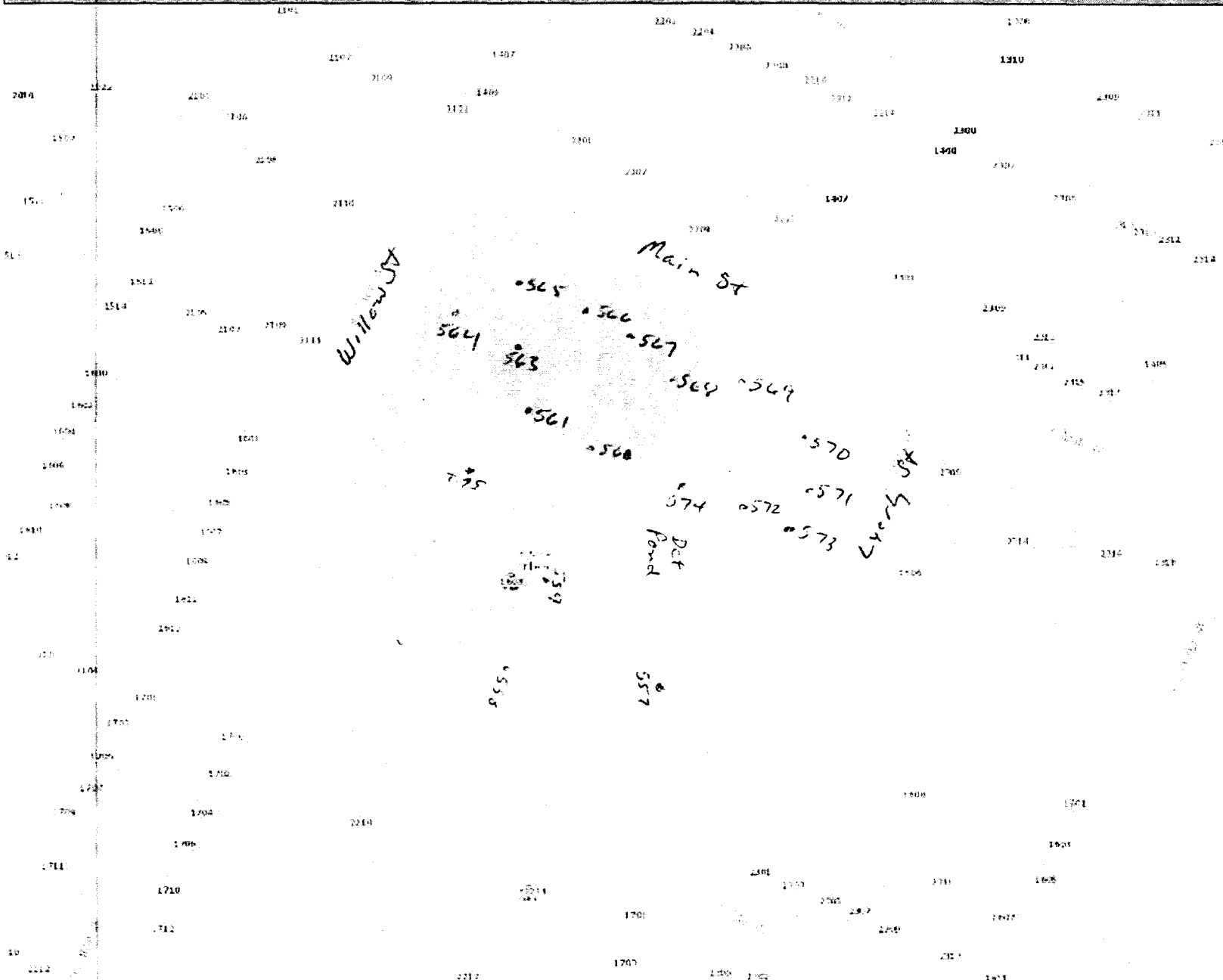
0 184.70 369.4 Feet

NAD_1983_StatePlane_Tennessee_FIPS_4100_Feet
 © Latitude Geographics Group Ltd.



Disclaimer: This map is to be used for reference only, and no other use or reliance on the same is authorized. This map was automatically generated using HCGIS Mapping System. Parcel lines are shown for reference only and are not intended for conveyances, nor is it intended to substitute for a legal survey or property abstract.

HISMO 5



- ### Legend
- Parcels
 - County Boundary
 - (R) Recycling Centers
 - H Healthcare Facilities
 - Emergency Services Locations
 - F FIRE
 - M MEDIC
 - P POLICE
 - C Cemeteries
 - R Religious Facilities
 - S Schools
 - Building Footprints
 - Miscellaneous Structures
 - Driveways
 - Parking
 - Water Bodies
 - Other Water Bodies
 - Recreational Areas
 - Surrounding Hamilton

East Side Elem.
E.
Main Street
2200

0 184.70 369.4 Feet

NAD_1983_StatePlane_Tennessee_FIPS_4100_Feet

© Latitude Geographics Group Ltd.



Disclaimer: This map is to be used for reference only, and no other use or reliance on the same is authorized. This map was automatically generated using HCGIS Mapping System. Parcel lines are shown for reference only and are not intended for conveyances, nor is it intended to substitute for a legal survey or property abstract.

Calvin Donaldson Academy

Sam - call 423-498-7044

Location ID: AP564

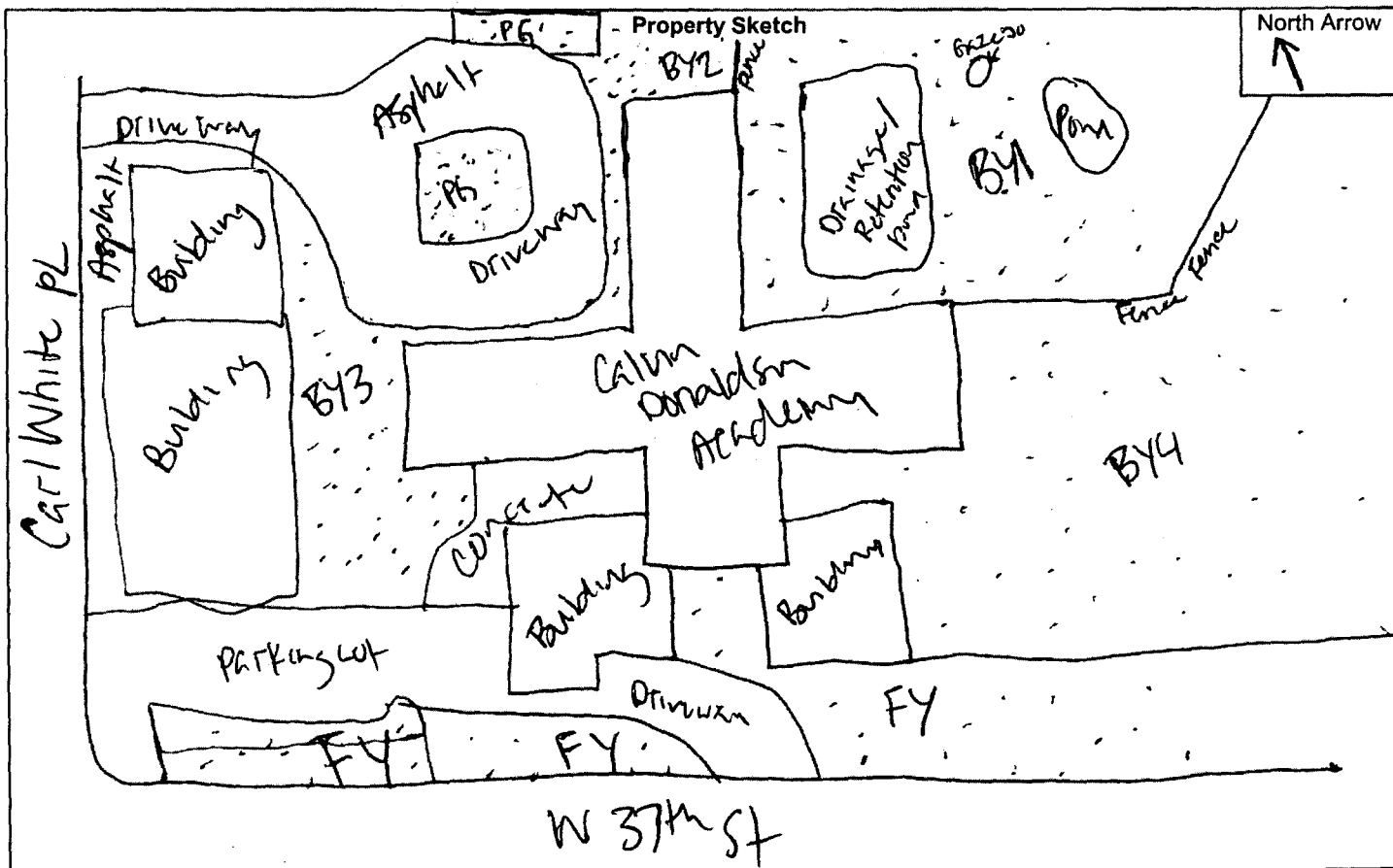
Southside Chattanooga Lead Site - Soil Sample Collection Record

Sampling Address: 927 W 37th St

Project Name: <u>Southside Chattanooga Lead Site</u>	Date/Time Collected: <u>1/28/20/1445/</u>
Project Number: <u>49086</u>	Date/Time Analyzed: <u>1/29/20</u>
Location: <u>Chattanooga, Hamilton County, Tennessee</u>	Analysis: <u>Lead via XRF / Laboratory</u>
Weather: <u>55°F</u>	Samplers: <u>B Kirby + K. McCullough</u>

Field Equipment: Gator probe

Sample ID:	Concentration (ppm):	Sieve?	Lab?	Notes:
✓ AP 564-SF-FY	87.96	N	N	1539
✓ AP 564-SF-BY1	65.11	N	N	1154
✓ AP 564-SF-BY2	31.65	N	N	1548
✓ AP 564-SF-BY3	42.75	N	N	1157
✓ AP 564-SF-BY4	291.93	N	N	1543
✓ AP 564-SF-P6	57.01	N	N	1150
AP564-SF-BY4-S	320.67	Y	N	0947 1/30
AP9564-SF-BY4-S-DUP	324.80	Y	N	0947 dup 1/30



Location ID: ELJ426

Sampling Address: 3600 13th Ave

Field Equipment:

Gator Probe

Property Sketch

North Arrow

14th Ave

13th Ave

E 37th

E 36th

parking

BY

Grass

East Lake Elementary

FY

Grass

Grass

FY

Grass

Location ID: 06566

Southside Chattanooga Lead Site - Soil Sample Collection Record

Sampling Address: 1603 S Lyerly St

Project Name: Southside Chattanooga Lead Site	Date/Time Collected: 1/28/2020 1:15
Project Number: 49086	Date/Time Analyzed: 1/29/20
Location: Chattanooga, Hamilton County, Tennessee	Analysis: Lead via XRF / Laboratory
Weather: 45 °F	Samplers: D. Kirby, K. McCullough

Field Equipment:

gator probe

Sample ID:

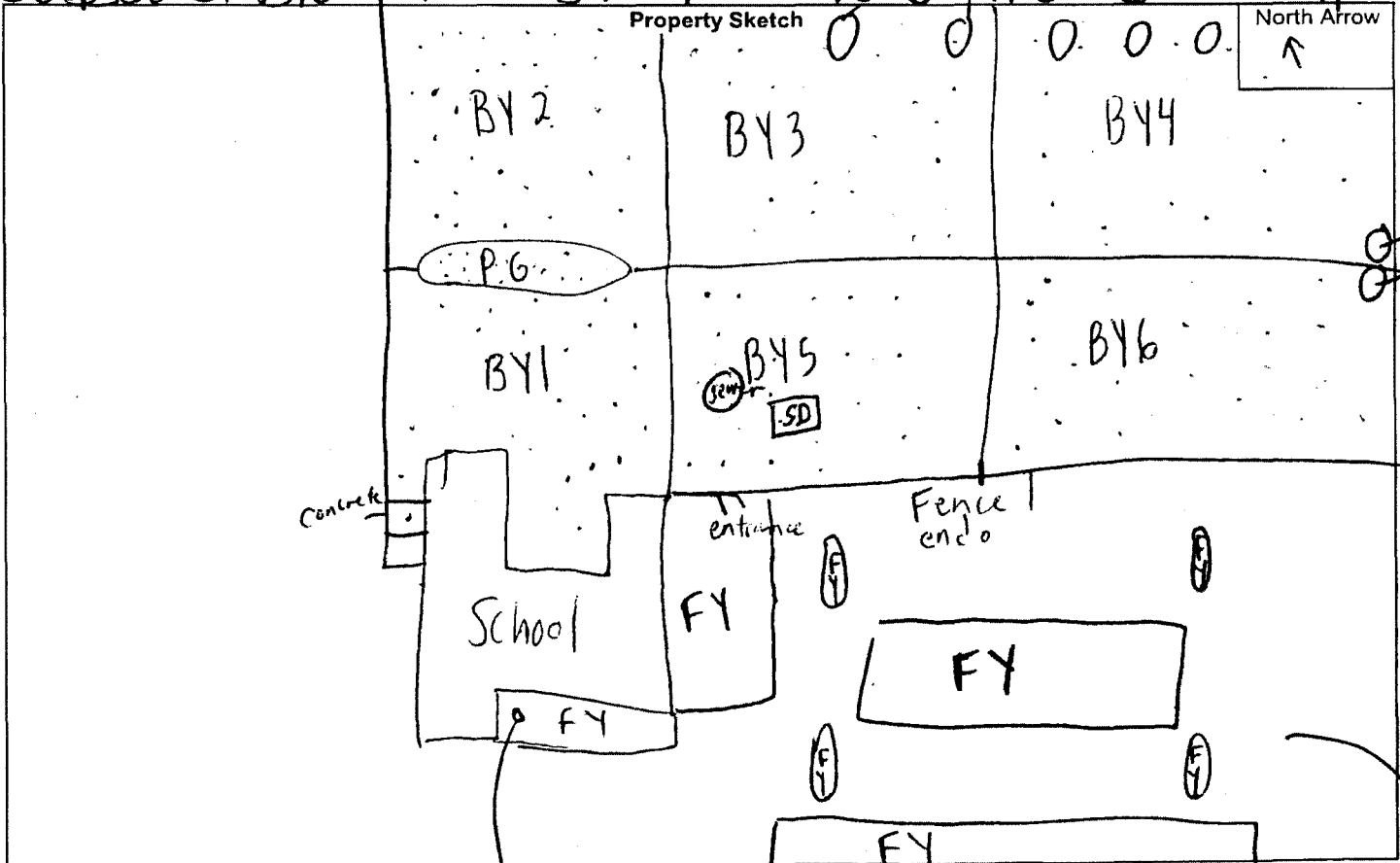
Concentration (ppm):

Sieve?

Lab?

Notes:

06566-SF-PG	47.35	N	N	1145
06566-SF-BY1	69.79	N	N	1553
06566-SF-BY2	89.59	N	N	1142
06566-SF-BY3	87.13	N	N	1522
06566-SF-BY4	43.01	N	N	1518
06566-SF-BY5	40.03	N	N	0936
06566-SF-BY6	37.80	N	V	1532
06566-SF-FY	40.50	N	N	0932
06566-SF-BY6-DUP	37.04	N	N	1532 dup



East Lake Elementary

Location ID: EL1426

Southside Chattanooga Lead Site - Soil Sample Collection Record

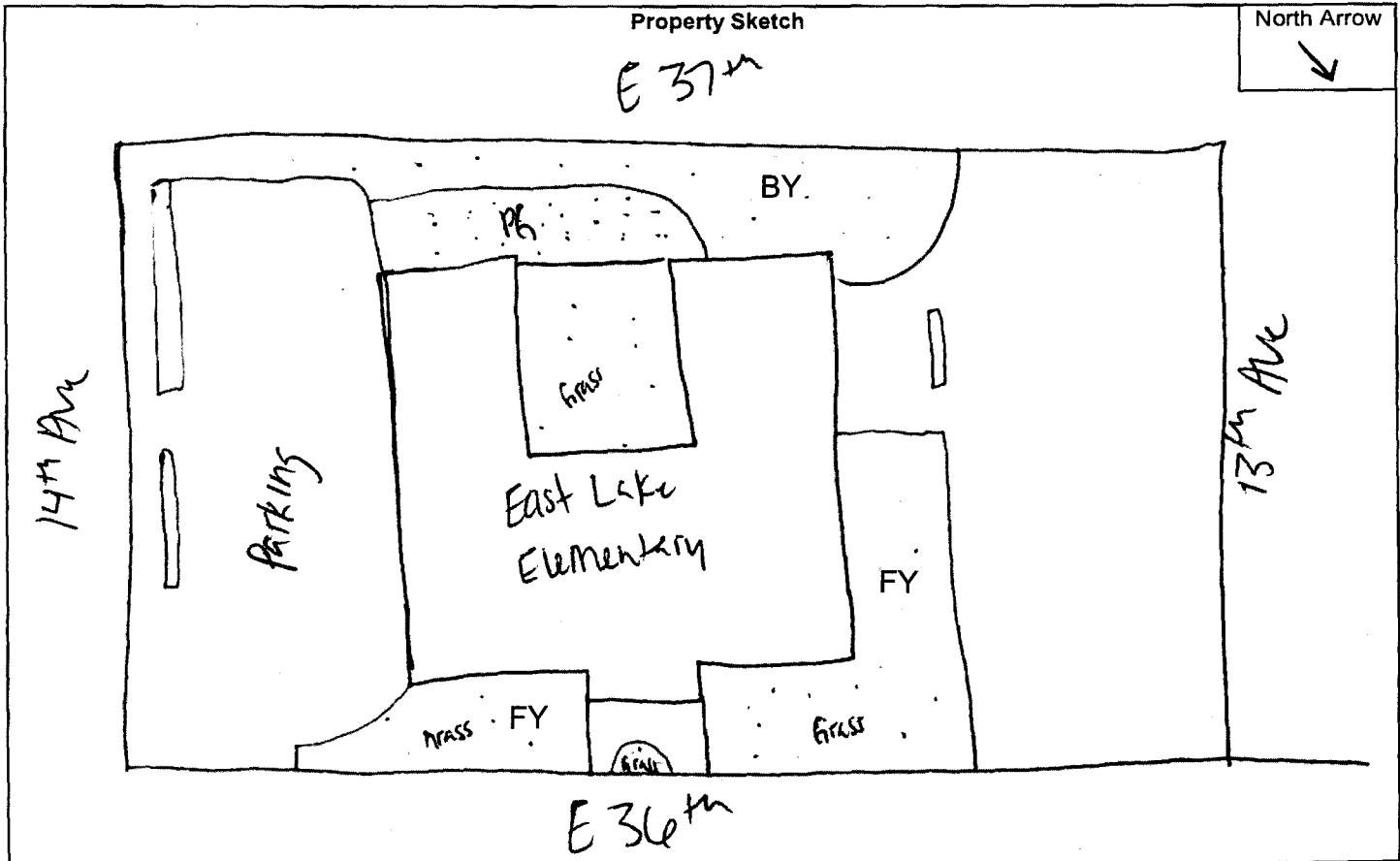
Sampling Address: 3600 13th Ave

Project Name: <u>Southside Chattanooga Lead Site</u>	Date/Time Collected: <u>1/28/20 1 10 15</u>
Project Number: <u>49086</u>	Date/Time Analyzed: <u>1/29/20</u>
Location: <u>Chattanooga, Hamilton County, Tennessee</u>	Analysis: <u>Lead via XRF</u> / Laboratory
Weather: <u>50°F</u>	Samplers: <u>Bethanie Kirby, Karaline McCullough</u>

Field Equipment:

Gator Probe

Sample ID:	Concentration (ppm):	Sieve?	Lab?	Notes:
<u>EL1426-SF-P6</u>	<u>25.54</u>	<u>N</u>	<u>N</u>	<u>0928</u>
<u>EL1426-SF-FY</u>	<u>55.53</u>	<u>N</u>	<u>N</u>	<u>1137</u>
<u>EL1426-SF-BY</u>	<u>51.45</u>	<u>N</u>	<u>N</u>	<u>0942</u>



Chattanooga Charter - Lower

1/29 after ~~meeting~~ - call 1/28

Location ID: OG-775

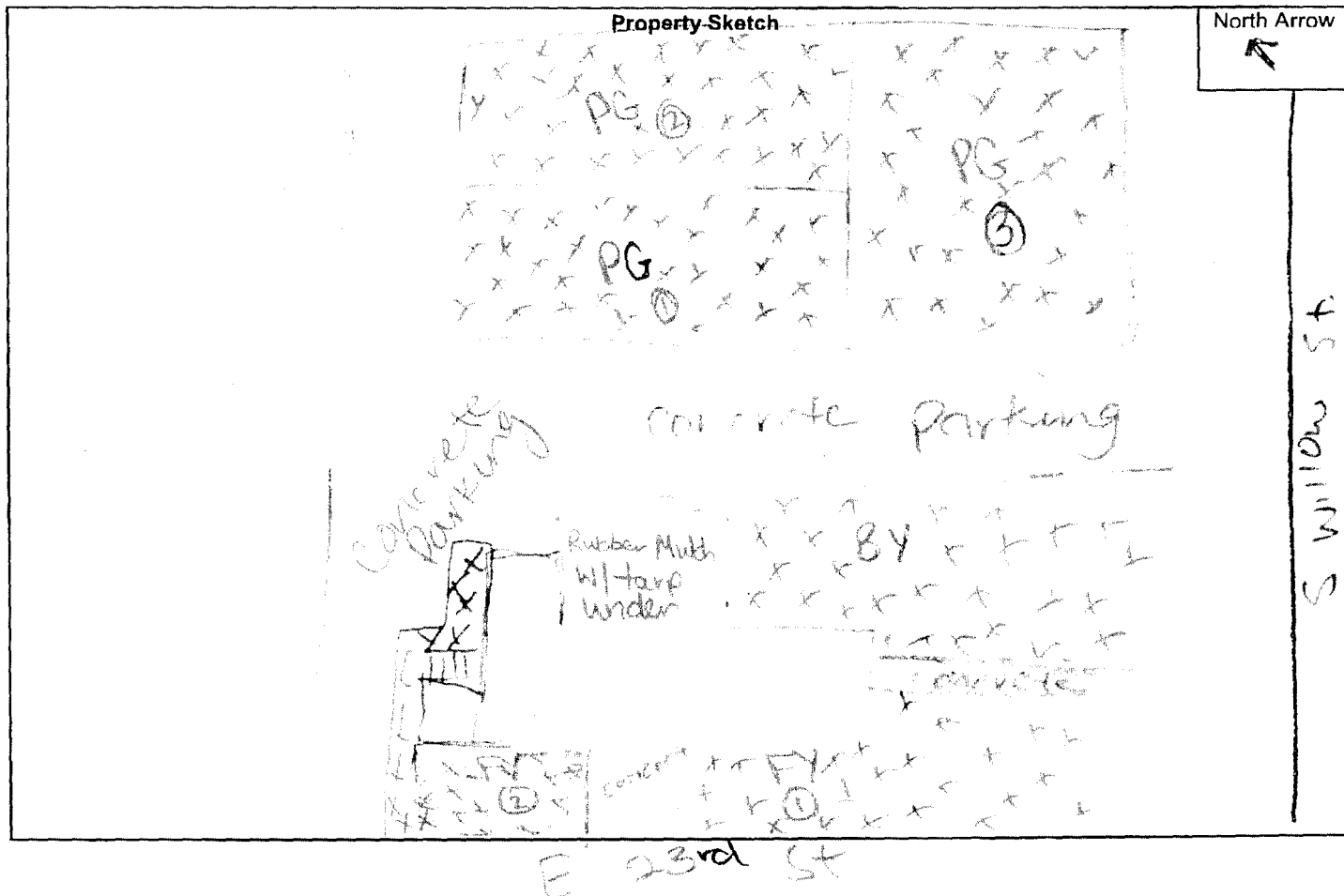
Southside Chattanooga Lead Site - Soil Sample Collection Record

Sampling Address: 2029 E 23rd St

Project Name: <u>Southside Chattanooga Lead Site</u>	Date/Time Collected: <u>1/29/20 1 10:30</u>
Project Number: <u>49086</u>	Date/Time Analyzed: <u>1/30/20</u>
Location: <u>Chattanooga, Hamilton County, Tennessee</u>	Analysis: <u>Lead via XRF / Laboratory</u>
Weather: <u>°F45 deg, cloudy</u>	Samplers: <u>Gabby & Kellan</u>

Field Equipment: Gator

Sample ID:	Concentration (ppm):	Sieve?	Lab?	Notes:
✓ OG775-SF-FY①	144.74	N	N	1333
✓ OG775-SF-FY②	178.97	N	N	1337
✓ OG775-SF-BY	120.99	N	N	1342
✓ OG775-SF-PG①	72.50	N	N	1346
✓ OG775-SF-PG②	117.60	N	N	1350
✓ OG775-SF-PG③	112.37	N	N	1354



Chattanooga Charter - ~~Revised~~

423-400-11

1/29 @ 10am (all day before)

Location ID: OG470

Southside Chattanooga Lead Site - Soil Sample Collection Record

Sampling Address: 1912 S Willow St

Project Name: Southside Chattanooga Lead Site	Date/Time Collected: 1/29/20 1:10
Project Number: 49086	Date/Time Analyzed: 1/30/20
Location: Chattanooga, Hamilton County, Tennessee	Analysis: Lead via XRF / Laboratory
Weather: 50 °F	Samplers: Gabby & Allan

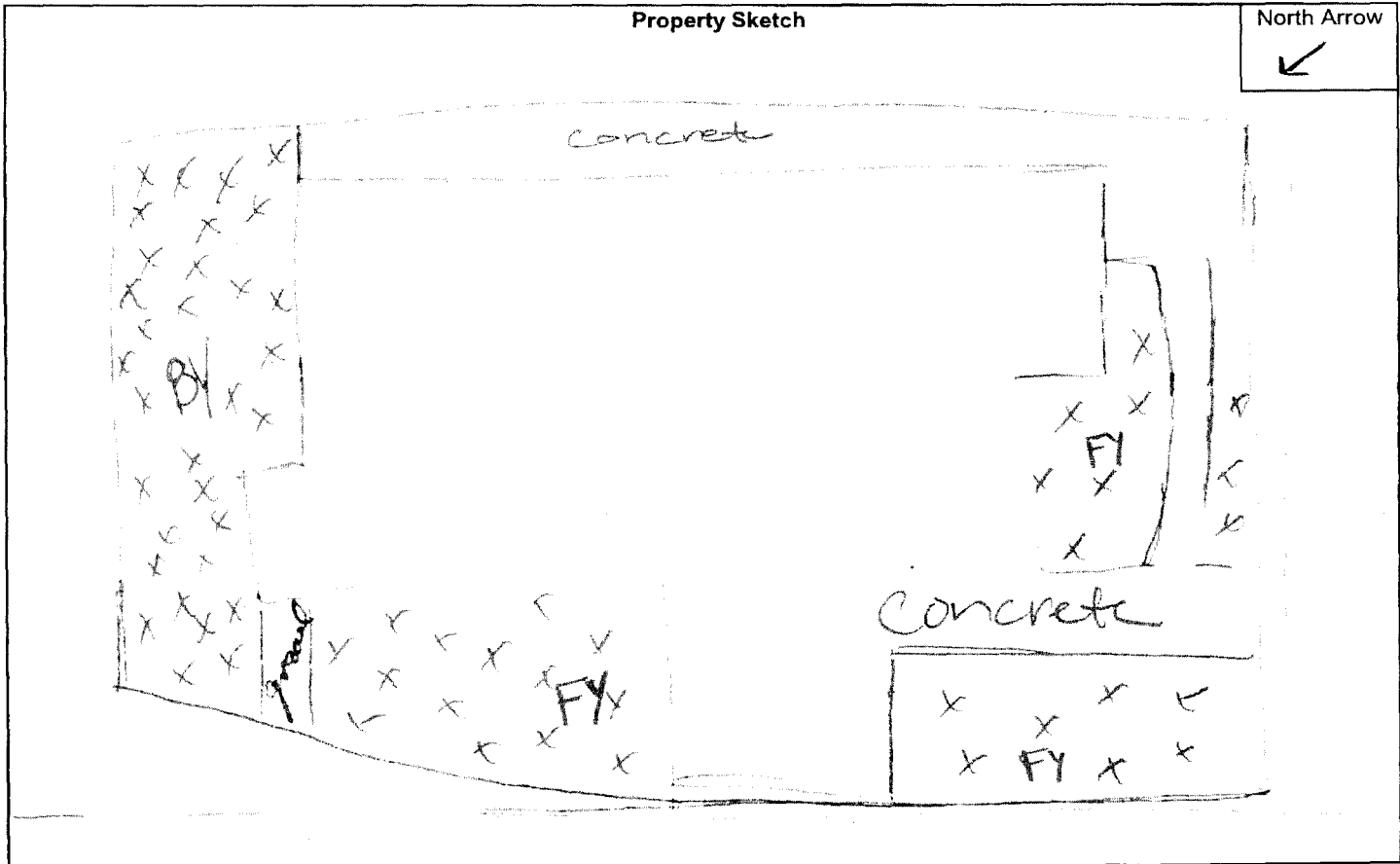
Field Equipment:

Gator

Sample ID:	Concentration (ppm):	Sieve?	Lab?	Notes:
✓ OG470-SF-FY	89.54	N	N	1124
✓ OG470-SF-BY	105.73	N	N	1130
OG470-SF-FY-DUP	88.06	N	N	1124 dup

Property Sketch

North Arrow



Clifton Hills Elementary

EL0052 &

Location ID: EL0053

Southside Chattanooga Lead Site - Soil Sample Collection Record

Sampling Address: 1815 E 32nd St

Project Name: Southside Chattanooga Lead Site

Project Number: 49086

Location: Chattanooga, Hamilton County, Tennessee

Weather: 52 °F

Date/Time Collected: 1/28/20 1230

Date/Time Analyzed: 1/29/20

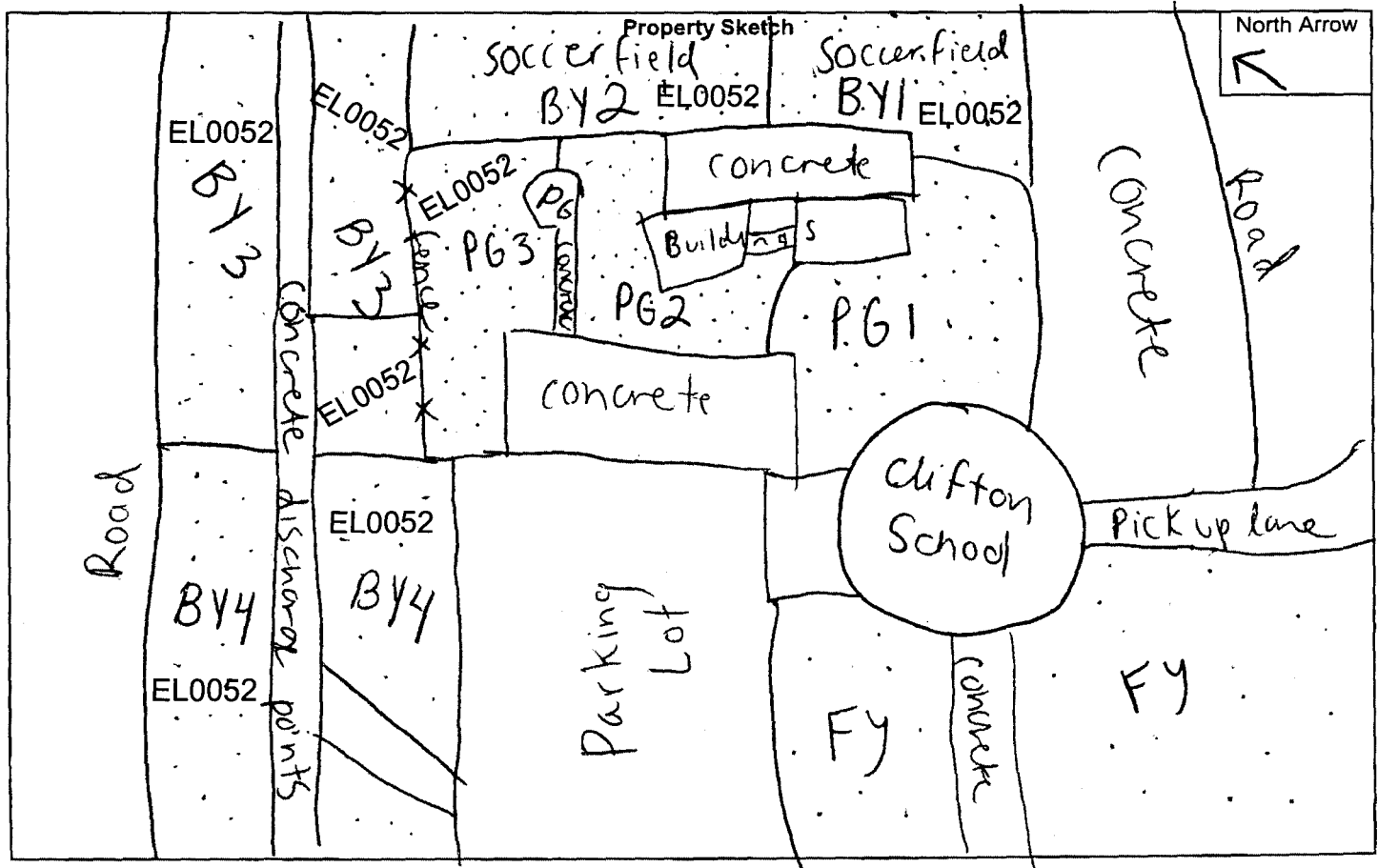
Analysis: Lead via XRF Laboratory

Samplers: K. McWhorter, B. Kirby

Field Equipment:

Gator probe

Sample ID:	Concentration (ppm):	Sieve?	Lab?	Notes:
✓ EL0053-SF-PG1	61.45	N	N	1221
✓ EL0053-SF-PG2	114.67	N	N	1507
L0052 ✓ EL0053 ^{HSY} -SF-PG3	130.17	N	N	1503
✓ EL0053-SF-FY	75.39	N	N	1205
.0052 ✓ EL0053 ^{HSY} -SF-BY1	89.00	N	N	214
.0052 ✓ EL0053 ^{HSY} -SF-BY2	89.36	N	N	211
.0052 ✓ EL0053 ^{HSY} -SF-BY3	206.91	N	N	1511
.0052 ✓ EL0053 ^{HSY} -SF-BY4	118.00	N	N	1489



Soil Lead Sampling Results for Hamilton County Schools (Event 4)

Property ID	Sample ID	Property Address	Sample Date	Sample Location (ppm)	Sampling Result (ppm)
EL1426	East Lake Elementary School	3600 13th Ave	1/29/2020	Back Yard	51.45
			1/29/2020	Front Yard	55.53
			1/29/2020	Playground	25.54
EL1360	East Lake Academy	2700 E 34th St	1/29/2020	Back Yard	84.97
			1/29/2020	Back Yard (Duplicate ¹)	68.36
			1/29/2020	Front Yard	106.37
EL0053	Clifton Hills Elementary School	1815 E 32nd St	1/29/2020	Back Yard 1	89
			1/29/2020	Back Yard 2	89.36
			1/29/2020	Back Yard 3	206.91
			1/29/2020	Back Yard 4	118
			1/29/2020	Playground 3	130.17
EL0052	Clifton Hills Elementary School	1815 E 32nd St	1/29/2020	Front Yard	75.39
			1/29/2020	Playground 1	61.45
			1/29/2020	Playground 2	114.67
AP564	Calvin Donaldson Elementary School	927 E 37th St	1/29/2020	Back Yard 1	65.11
			1/29/2020	Back Yard 2	31.65
			1/29/2020	Back Yard 3	43.56
			1/29/2020	Back Yard 4	291.93
			1/29/2020	Back Yard 4 (Sieved ²)	328.47
			1/29/2020	Back Yard 4 (Sieved/Duplicate)	323.15
			1/29/2020	Front Yard	87.96
			1/29/2020	Playground	57.01
OG566	East Side Elementary School	2200 E Main St	1/29/2020	Back Yard 1	69.79
			1/29/2020	Back Yard 2	89.59
			1/29/2020	Back Yard 3	87.13
			1/29/2020	Back Yard 4	43.01
			1/29/2020	Back Yard 5	40.03
			1/29/2020	Back Yard 6	39.14
			1/29/2020	Back Yard 6 (Duplicate)	33.93
			1/29/2020	Front Yard	40.5
			1/29/2020	Playground	47.35
OG775	Chattanooga Charter School of Excellence (Elementary School)	2029 E 23rd St	1/30/2020	Back Yard	120.99
			1/30/2020	Front Yard 1	144.74
			1/30/2020	Front Yard 2	178.97
			1/30/2020	Playground 1	72.5
			1/30/2020	Playground 2	117.6
			1/30/2020	Playground 3	112.37
OG470	CCSE (Middle School)	1912 S Willow St	1/30/2020	Back Yard	105.73
			1/30/2020	Front Yard	89.54
			1/30/2020	Front Yard (Duplicate)	88.06

¹ Duplicate - A replicate sample was taken. We do this to estimate sample variability.

² Sieved - A sieved sample is a soil sample that has passed through a 150 micron sieve opening. This is the particle size that sticks to our hands and is most likely to be ingested.

From: [Jefferies, Jasmin](#)
To: [Lowman Sandy](#)
Subject: Re: ADDITIONAL AUTHORIZATION FORM FROM HCDE
Date: Tuesday, November 12, 2019 4:58:21 PM

Ms. Lowman,

Thank you for returning the access agreement form. We will be back in touch once the next sampling event has been scheduled.

Regards,
Jasmin Jefferies

On Nov 12, 2019, at 1:07 PM, Lowman Sandy <lowman_sandy@hcde.org> wrote:

Please find attached the authorization form for Chattanooga Charter School of Excellence. If you need anything else, please let us know.
Thank you.

Sandy Lowman, Executive Assistant

<[image003.png](#)>

Office of the Superintendent
3074 Hickory Valley Road | Chattanooga, TN 37421
423-498-7044 | ext. 20029
[website](#) | [facebook](#) | [twitter](#) | [instagram](#) | [youtube](#)
<[CCSE Lead docs.pdf](#)>

Hines, Andrea

From: Dwan Austin <daustin@chattanooga.gov>
Sent: Thursday, December 5, 2019 12:12 PM
To: Jefferies, Jasmin
Subject: Re: South Chattanooga Lead Site

This is awesome information! Thank you so much. I don't know why I looked at the calendar wrong regarding that event. I will be in Los Angeles for the National Brownfield Conference next week with some of your colleagues. So since you're going to be here, I guess you won't be there??? If you are, let me know. Thanks again for the update!

Dwan D. Austin

Brownfield Coordinator

City of Chattanooga | Economic and Community Development

Office: 423-643-7346

On Thu, Dec 5, 2019 at 10:24 AM Jefferies, Jasmin <jefferies.jasmin@epa.gov> wrote:

Good morning Dwan,

(b) (6)

I hope your holiday was a good one 😊

The Public Availability Session at The Spot coffee shop is actually scheduled for next Tuesday from 6 pm to 8 pm.

I have included site maps for each of the neighborhoods attached.

The following schools are included within our site boundaries:

1. **Calvin Donaldson Environmental Science Academy** (Received sampling access agreement)
2. **Clifton Hills Elementary** (Received sampling access agreement)
3. **East Lake Academy of Fine Arts** (Received sampling access agreement)
4. **East Lake Elementary** (Received sampling access agreement)
5. **East Side Elementary** (Received sampling access agreement)
6. **Chattanooga Charter School of Excellence – Lower School** (Received sampling access agreement)
7. **Chattanooga Charter School of Excellence – Upper School** (Received sampling access agreement)
8. **The Montessori School** (Already sampled; No further action needed)

Chattanooga Christian School

10. **Young Women's Leadership Academy/ Chattanooga Girls Leadership Academy** (Already sampled, No further action needed)
11. **Chattanooga Preparatory School**

Jasmin Jefferies

Remedial Project Manager

U.S. Environmental Protection Agency – Region 4

Superfund and Emergency Management Division

Restoration and Sustainability Branch

61 Forsyth St. SW, Atlanta, GA 30303

Office: (404) 562-8443 | Cell: (404) 304-2817

Email: jefferies.jasmin@epa.gov

From: Dwan Austin <daustin@chattanooga.gov>

Sent: Thursday, December 5, 2019 8:54 AM

To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>

Subject: South Chattanooga Lead Site

Good Morning Jasmin,

I hope all is well with you and you enjoyed the holiday last week. It's almost a blurr already!

I am checking in to get an update on where things are and headed. How did the event go at the Coffee Spot? Hopefully it was a good turnout.

Have the boundaries for the site been finalized yet? If so what are they? Also I know you have added schools. Which ones are included and what are your findings.

Last request, may I please get a map of the site. I need to reference it in a presentation in a couple of weeks. An electronic version is sufficient.

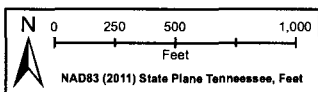
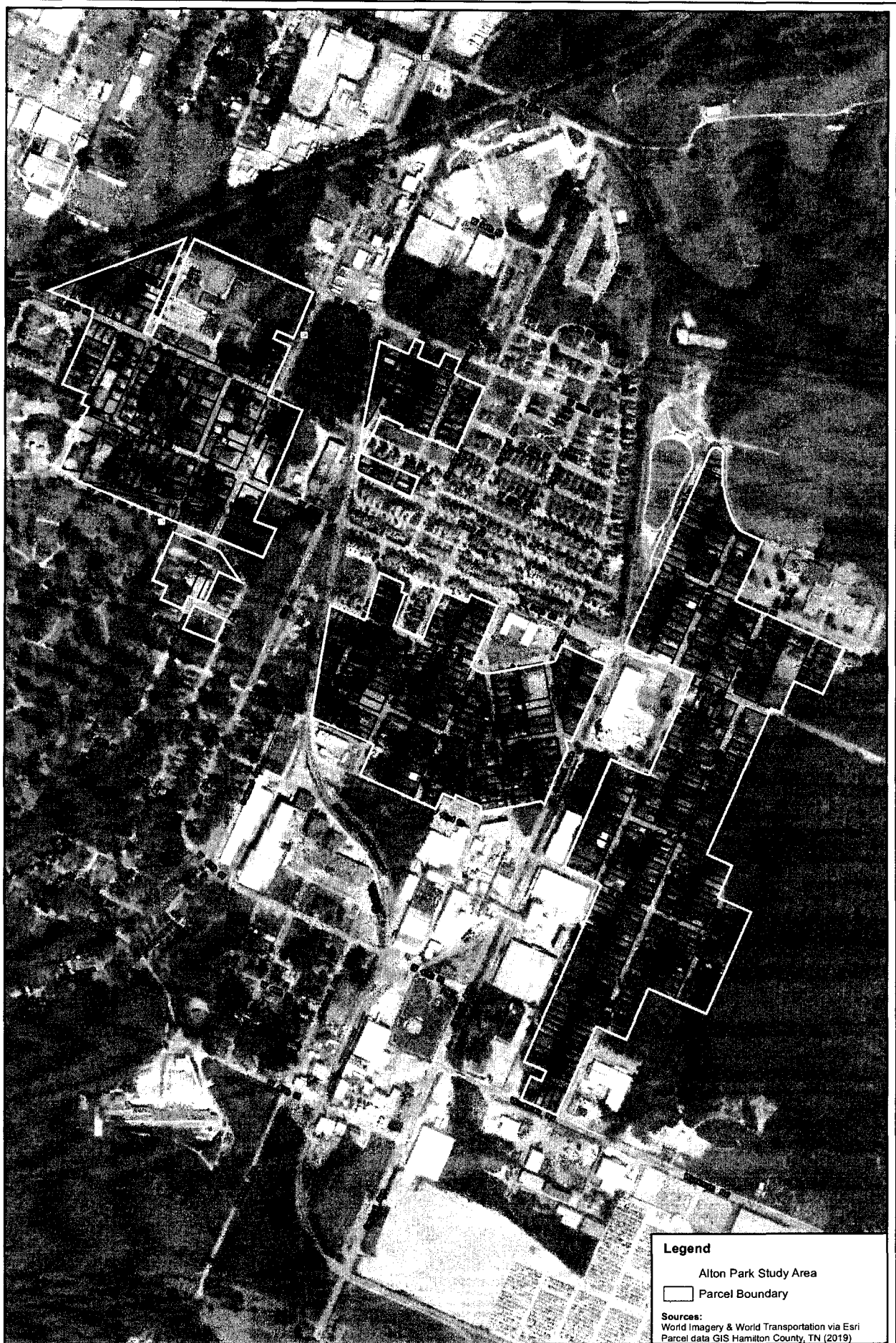
Thanks so much!

Dwan D. Austin

Brownfield Coordinator

City of Chattanooga | Economic and Community Development

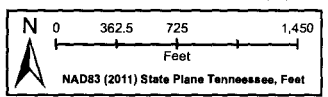
Office: 423-643-7346



Alton Park Neighborhood
Southside Chattanooga Lead Site
Chattanooga, Hamilton County, Tennessee

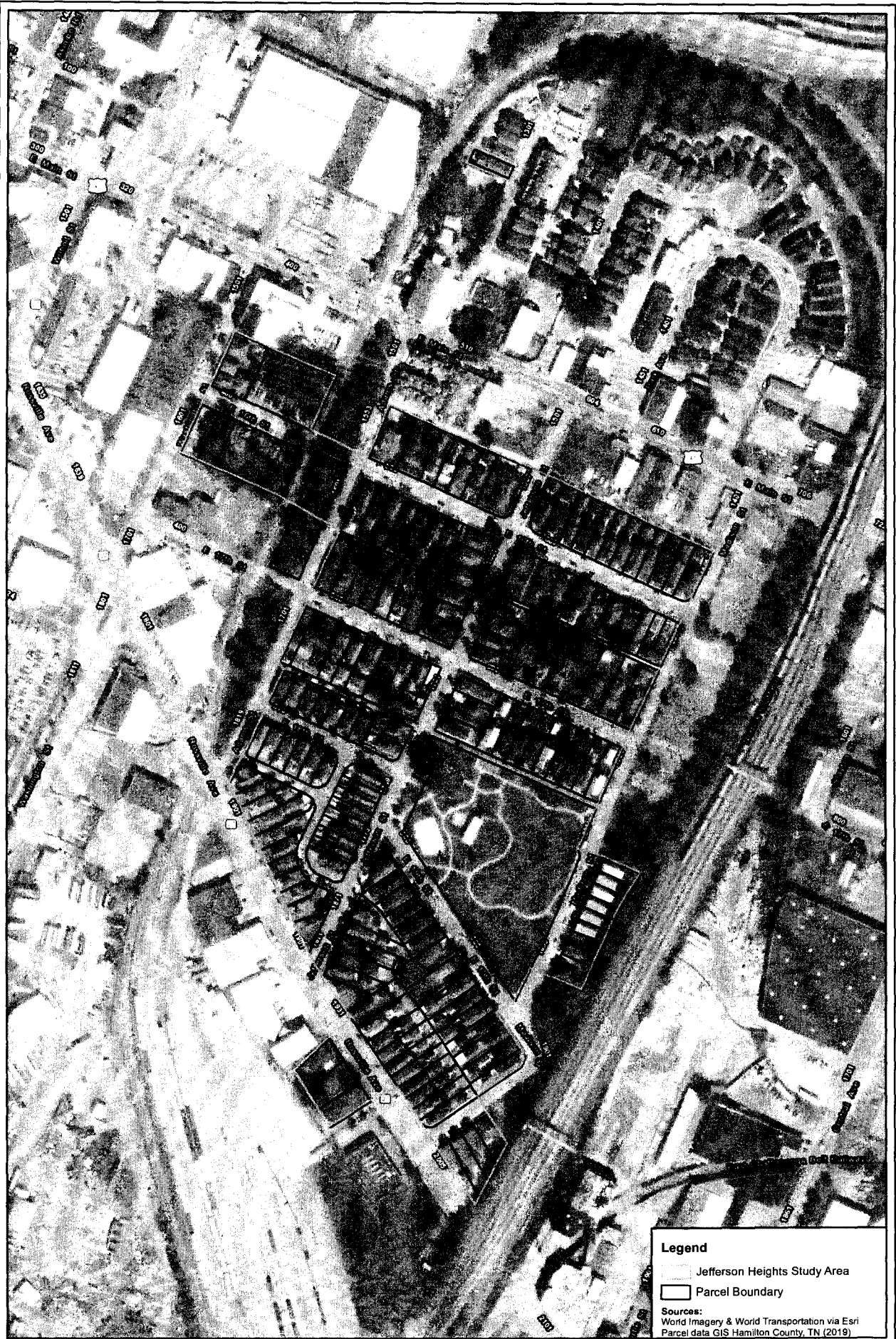
Figure
X

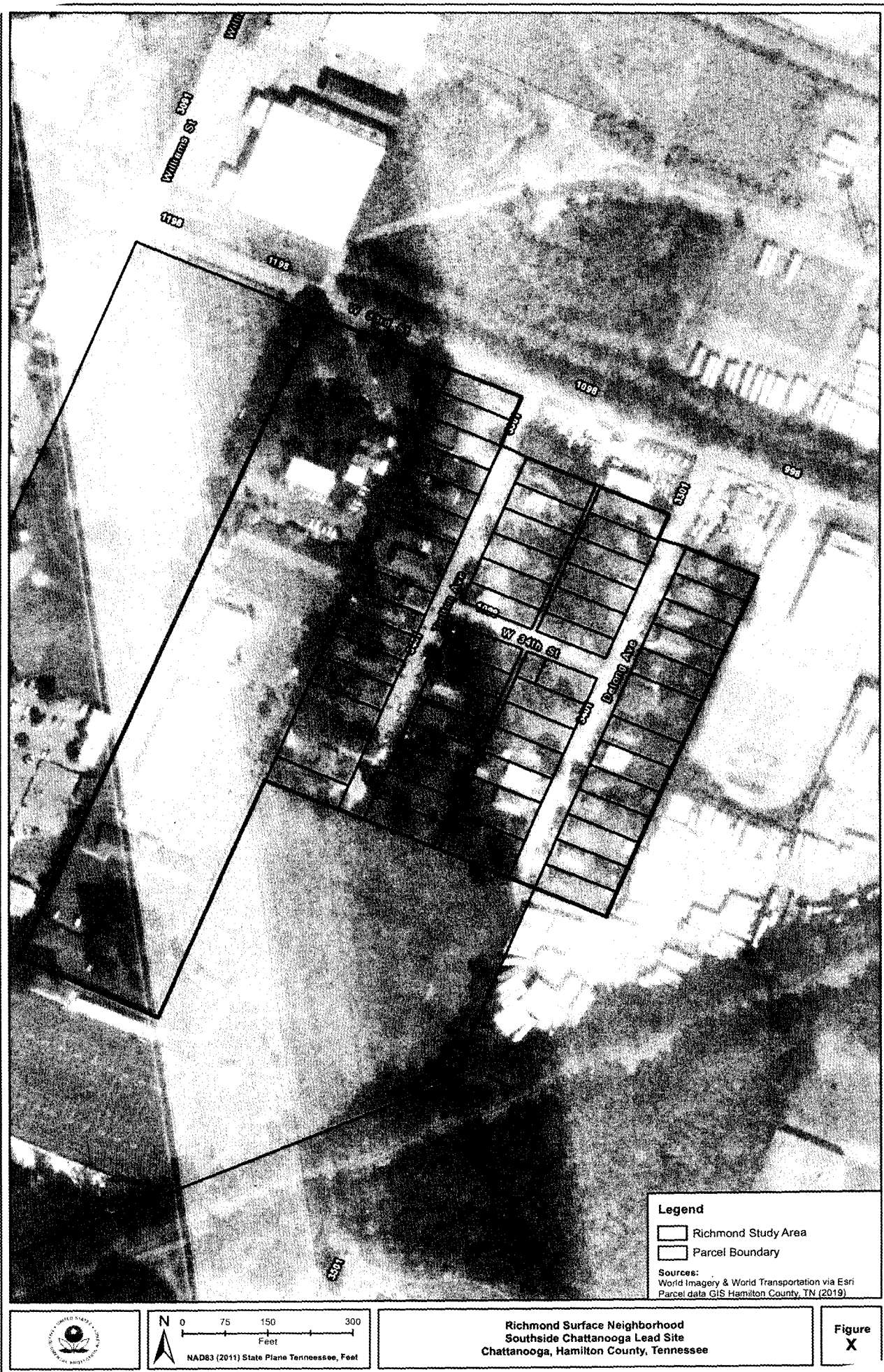


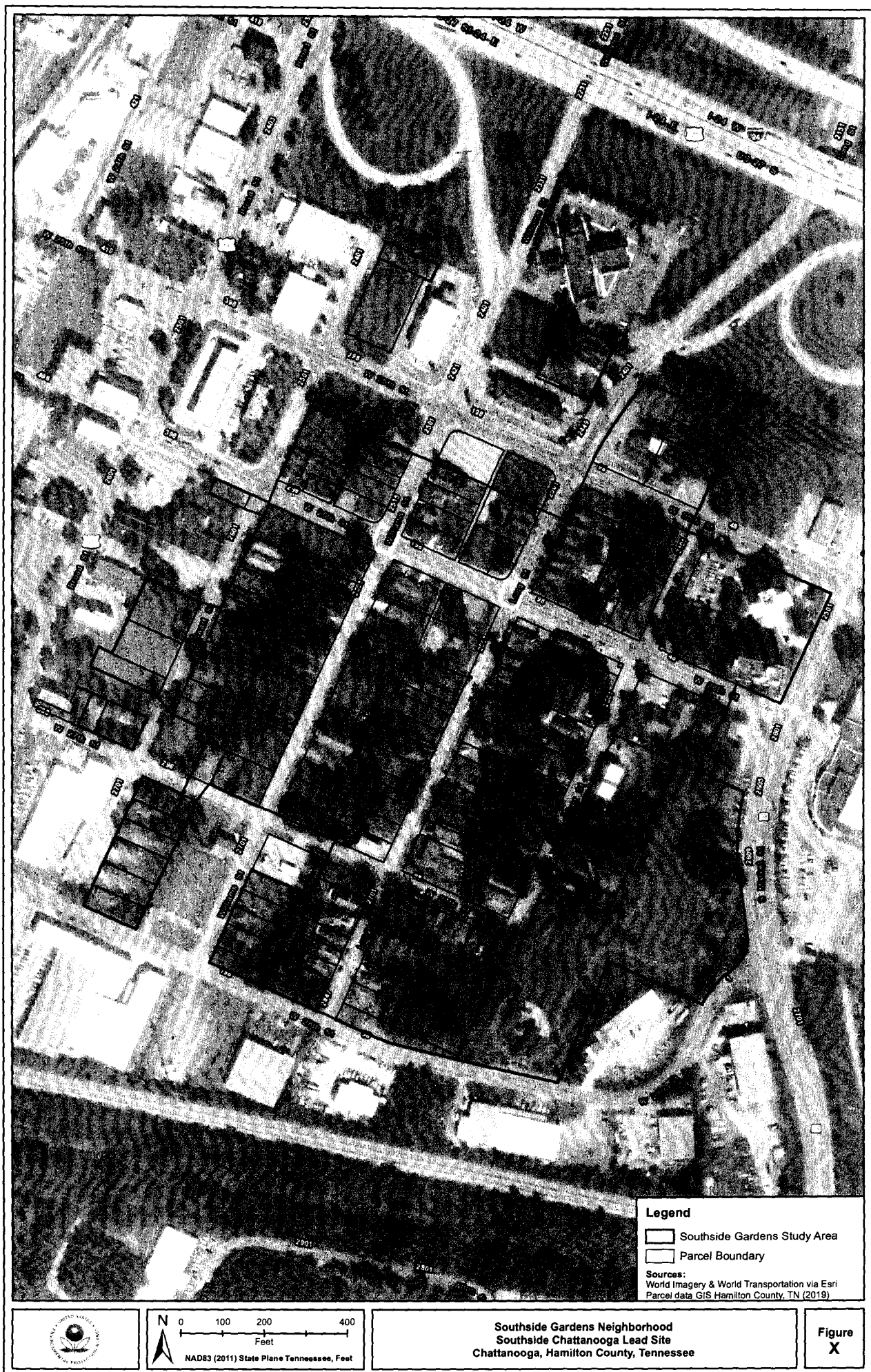


East Lake Neighborhood
Southside Chattanooga Lead Site
Chattanooga, Hamilton County, Tennessee

Figure
X



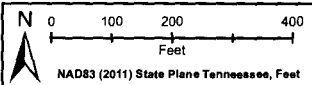




Legend

- Southside Gardens Study Area
- Parcel Boundary

Sources:
World Imagery & World Transportation via Esri
Parcel data GIS Hamilton County, TN (2019)



Southside Gardens Neighborhood
Southside Chattanooga Lead Site
Chattanooga, Hamilton County, Tennessee

Figure
X

Hines, Andrea

From: Dwan Austin <daustin@chattanooga.gov>
Sent: Tuesday, January 28, 2020 12:31 PM
To: Jefferies, Jasmin
Cc: Troy.Keith@tn.gov; Jason McKinney
Subject: Re: City Contact to Sign Sampling Access Agreement
Attachments: 2311_001.pdf

Hello Jasmin,
Please see the attached access agreement. Jason McKinney is the contact person in Youth and Family Development (YFD). His cell number is (b) (6)

Thanks,

Dwan D. Austin
Brownfield Coordinator
City of Chattanooga | Economic and Community Development
Office: 423-643-7346

On Thu, Jan 23, 2020 at 8:37 AM Jefferies, Jasmin <jefferies.jasmin@epa.gov> wrote:

Good morning Dwan,

I hope you have been having a great week.

I was wondering if you have found a contact with the City that is able to sign a sampling access agreement? If you have an idea of who I should reach out to, please let me know.

Thank you,

Jasmin Jefferies

Remedial Project Manager

U.S. Environmental Protection Agency – Region 4

Superfund and Emergency Management Division

Restoration and Sustainability Branch

61 Forsyth St. SW, Atlanta, GA 30303

Office: (404) 562-8443 | Cell: (404) 304-2817

Email: Jefferies.jasmin@epa.gov



ACCESS AUTHORIZATION
SOUTHSIDE CHATTANOOGA LEAD SITE

1. I, ANDY BERKE, am the owner or tenant of the Property and as such I have the authority to sign this authorization.

2. I ☒ grant or ☐ deny authorization to the United States Environmental Protection Agency (EPA), and other authorized representatives to enter the property located at:

3610 DODDS AVENUE, CHATTANOOGA, TN 37407

This authorization allows the EPA, and other authorized representatives to have access to the Property to conduct sampling. The EPA's sampling activities at the Property will include, but not be limited to, the following:

- a. collecting soil and groundwater samples as may be determined to be necessary;
 - b. taking photographs of the Property;
 - c. transporting equipment onto and about the Property as necessary to accomplish the above activities; and
 - d. restoring areas disturbed by the sampling activities to their pre-sampling state to the maximum extent practicable; and
3. The consent for access and use granted herein will commence upon date of owner/tenant signature and will continue through the performance of all Remedial Investigation activities for which access is granted.
4. I realize that these actions by the EPA are undertaken pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, 42 U.S.C. & 9601 et seq., as amended.

Date 1/28/2020

Printed Name of Owner: ANDY BERKE

Signature: [Signature]

Mailing Address: 101 E. 11TH ST., CHATTANOOGA, TN 37402

Phone Number: JASON MCKINNEY (JMCKINNEY@CHATTANOOGA.GOV)

Or (if applicable) (731) 225-5109 CELL

Date _____

Printed Name of Tenant: _____

Signature: _____

Mailing Address: _____

Phone Number: _____

Hines, Andrea

From: Dwan Austin <daustin@chattanooga.gov>
Sent: Thursday, January 23, 2020 9:35 AM
To: Jefferies, Jasmin
Cc: Troy.Keith@tn.gov; Donna Williams
Subject: Re: City Contact to Sign Sampling Access Agreement

You're welcome! I do not have the list of City properties, so please send those to me. Also, keep me posted on the sampling dates, and I will make sure to return the forms in a timely manner.

Thanks,

Dwan D. Austin
Brownfield Coordinator
City of Chattanooga | Economic and Community Development
Office: 423-643-7346

On Thu, Jan 23, 2020 at 9:30 AM Jefferies, Jasmin <jefferies.jasmin@epa.gov> wrote:

Dwan,

I cannot complain. It has been a pretty productive week, so that is always good.

Sounds great. I have attached the current sampling access authorization form. Please feel free to send the completed form to my email. I will then send it over to our contractor, and they will be able to sample the East Lake Rec Center next week.

I also wanted to ask if you have a list of all the City properties that the EPA is looking to sample? If not, I can certainly get one over to you. I am thinking that it would be less of a headache to provide you all with a list of addresses as opposed to mailing out individual requests for access. We are hoping to have another sampling event in a couple of months, so we can definitely get the City's properties sampled then if we have the access agreements.

Thank you for your assistance.

Kind regards,

Jasmin Jefferies

Remedial Project Manager

U.S. Environmental Protection Agency – Region 4

Superfund and Emergency Management Division

Restoration and Sustainability Branch

61 Forsyth St. SW, Atlanta, GA 30303

Office: (404) 562-8443 | Cell: (404) 304-2817

Email: Jefferies.jasmin@epa.gov

From: Dwan Austin <daustin@chattanooga.gov>

Sent: Thursday, January 23, 2020 9:01 AM

To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>

Cc: Troy.Keith@tn.gov; Donna Williams <dwilliams@chattanooga.gov>

Subject: Re: City Contact to Sign Sampling Access Agreement

Hey Jasmin,

All is well here, thank you for asking and I hope the same for you. Let me follow up with my administrator this morning to see if a decision has been made. In the past, Mayor Berke signed it, and most likely he will again. Please send me the current version (I had an old one from 2018) and I will get it back to you by tomorrow, if possible. I know you want to conduct the sampling on Monday.

Thanks so much.

Dwan D. Austin

Brownfield Coordinator

City of Chattanooga | Economic and Community Development

Office: 423-643-7346

On Thu, Jan 23, 2020 at 8:37 AM Jefferies, Jasmin <jefferies.jasmin@epa.gov> wrote:

Good morning Dwan,

I hope you have been having a great week.

I was wondering if you have found a contact with the City that is able to sign a sampling access agreement? If you have an idea of who I should reach out to, please let me know.

Thank you,

Jasmin Jefferies

Remedial Project Manager

U.S. Environmental Protection Agency – Region 4

Superfund and Emergency Management Division

Restoration and Sustainability Branch

61 Forsyth St. SW, Atlanta, GA 30303

Office: (404) 562-8443 | Cell: (404) 304-2817

Email: Jefferies.jasmin@epa.gov

Hines, Andrea

From: Dwan Austin <daustin@chattanooga.gov>
Sent: Monday, February 3, 2020 10:06 AM
To: Jefferies, Jasmin
Subject: Re: List of City Properties the EPA would like to Sample

Let me follow up to see, I'll let you know asap.

Thanks,

Dwan D. Austin
Brownfield Coordinator
City of Chattanooga | Economic and Community Development
Office: 423-643-7346

On Mon, Feb 3, 2020 at 9:45 AM Jefferies, Jasmin <jefferies.jasmin@epa.gov> wrote:

Would a month from today, March 2, 2020, be enough time to review the properties and sign the Access Authorization form?

Jasmin

From: Dwan Austin <daustin@chattanooga.gov>
Sent: Monday, February 3, 2020 9:39 AM
To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Subject: Re: List of City Properties the EPA would like to Sample

Ok Jasmin, that makes sense! What is the timeline for our response? There will need to be a review process of the properties here at the City, and I want to make sure it's done in a timely manner.

Thanks,

Dwan D. Austin
Brownfield Coordinator
City of Chattanooga | Economic and Community Development

On Mon, Feb 3, 2020 at 9:28 AM Jefferies, Jasmin <jefferies.jasmin@epa.gov> wrote:

Good morning Dawn,

I spoke with another RPM who is experienced with lead cleanups, and she has suggested that the Major fill out one Access Authorization form and indicate on the property address line (bolded line) that he is granting access to all of the properties on the attachment. In this case, the letter we previously discussed would not be necessary.

Please let me know if you have any questions.

Thank you,

Jasmin Jefferies

Remedial Project Manager

U.S. Environmental Protection Agency – Region 4

Superfund and Emergency Management Division

Restoration and Sustainability Branch

61 Forsyth St. SW, Atlanta, GA 30303

Office: (404) 562-8443 | Cell: (404) 304-2817

Email: Jefferies.jasmin@epa.gov

From: Dwan Austin <daustin@chattanooga.gov>

Sent: Tuesday, January 28, 2020 1:33 PM

To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>

Cc: Donna Williams <dwilliams@chattanooga.gov>; Gail Hart <ghart@chattanooga.gov>; Richard Beeland

<rbeeland@chattanooga.gov>

Subject: Re: List of City Properties the EPA would like to Sample

Hi Jasmin,

Thank you for sending the list of City-owned properties you are looking to sample. Per our conversation, the attached form from 2016 was used to sample multiple properties. Consider using this format for the Mayor's signature for this group, rather than an individual form for each property. The jointly-owned City & County properties included in your list will require signatures from both mayors. The revised form should accommodate both signatures. Lastly, do you have a timeline in which these properties will be scheduled for sampling? Please let me know when it is determined. Enjoy your week here in Chattanooga, and let me know if you need any additional information.

Thanks,

Dwan D. Austin

Brownfield Coordinator

City of Chattanooga | Economic and Community Development

Office: 423-643-7346

On Tue, Jan 28, 2020 at 7:31 AM Jefferies, Jasmin <jefferies.jasmin@epa.gov> wrote:

Good morning Dwan,

Please find the attached spreadsheet which lists the City properties that the EPA is looking to sample.

Thank you,

Jasmin Jefferies

Remedial Project Manager

U.S. Environmental Protection Agency – Region 4

Superfund and Emergency Management Division

Restoration and Sustainability Branch

61 Forsyth St. SW, Atlanta, GA 30303

Office: (404) 562-8443 | Cell: (404) 304-2817

Email: Jefferies.jasmin@epa.gov

Hines, Andrea

From: Dwan Austin <daustin@chattanooga.gov>
Sent: Monday, February 3, 2020 1:31 PM
To: Jefferies, Jasmin
Subject: Re: List of City Properties the EPA would like to Sample

Hi Jasmin,

I've already received some feedback internally. The properties shown C/O Electric Power Board should be removed from the list and sent to the Electric Power Board. Our office has an old contact in our files, try Steve Clark , office 423-648-3210 or email CLARKSL@EPB.NET. If he is no longer the person and you discover who the new person is, please forward their information to me for our records.

Also properties jointly owned City/County will in addition to the City mayor, will require the County Mayor, Jim Copping to authorize as well.

Thanks,

Dwan D. Austin

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Office: (404) 562-8443 | Cell: (404) 304-2817

Email: Jefferies.jasmin@epa.gov

Hines, Andrea

From: Dwan Austin <daustin@chattanooga.gov>
Sent: Thursday, February 20, 2020 6:44 PM
To: Jefferies, Jasmin
Subject: Re: List of City Properties the EPA would like to Sample
Attachments: City Properties Needing Sampling_Catagorized 2-20-20.xlsx

Hi Jasmin,

Please see the attached properties to sample with added property descriptions and edits for those the City no longer owns. Please eliminate the commercial properties and send back to me. I will submit a revised list to the Mayor for his review and signature. If you have any questions or comments, please let me know.

Thanks,

Dwan D. Austin

Brownfield Coordinator

City of Chattanooga | Economic and Community Development

Office: 423-643-7346

On Mon, Feb 3, 2020 at 9:45 AM Jefferies, Jasmin <jefferies.jasmin@epa.gov> wrote:

Would a month from today, March 2, 2020, be enough time to review the properties and sign the Access Authorization form?

Jasmin

From: Dwan Austin <daustin@chattanooga.gov>
Sent: Monday, February 3, 2020 9:39 AM
To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Subject: Re: List of City Properties the EPA would like to Sample

Ok Jasmin, that makes sense! What is the timeline for our response? There will need to be a review process of the properties here at the City, and I want to make sure it's done in a timely manner.

Thanks,

Dwan D. Austin

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61 Forsyth St. SW, Atlanta, GA 30303

Office: (404) 562-8443 | Cell: (404) 304-2817

Email: Jefferies.jasmin@epa.gov

	EPA Property ID	Parcel Status	Physical Address	TAX_MAP_NO	Owner Name 1	Property Description
1	AP094	Vacant	3809 ALTON PARK BLVD	155N F 016	CHATT CITY OF	Designated for Affordable Housing Initiative by Reso 27849
2	AP100	Vacant	3816 WEST AVE	155N F 024	CHATT CITY OF	Designated for Affordable Housing Initiative by Reso 27849
3	AP103	Vacant	3817 WEST AVE	155N F 025	CHATT CITY OF	Designated for Affordable Housing Initiative by Reso 27849
4	AP114	Not Assessed	1009 W 39TH ST	155N F 001	CHATT CITY OF	Fire Station 14
5	AP123	Vacant	901 W 39TH ST	155N F 026	CHATT CITY OF	Designated for Affordable Housing Initiative by Reso 27849
6	AP132	Vacant	ALTON PARK BLVD	155N H 017	CHATT CITY OF	Vacant/Anchor Glass
7	AP537	Vacant	111 WORKMAN RD	167F D 009	CHATT CITY OF	Designated for Affordable Housing Initiative by Reso 27849
8	CP077	Not Assessed	COWART ST	145K L 002.01	CHATT CITY OF	Long Narrow Strip Land - CNE Common Area
9	EL0684	Not Assessed	3000 E 34TH ST	168B U 018	CHATT CITY OF	EAST LAKE PARK
10	EL1167	Not Assessed	3513 06TH AVE	168B G 007	CHATT CITY OF	Meth Lab House - Recorded Notice
11	EL1362	Not Assessed	3610 DODDS AVE	168B J 016	CHATT CITY OF	EAST LAKE PARK
12	EL1481	Not Assessed	E 38TH ST	168G P 001.01	CHATT CITY OF	Storm Water Retention
13	EL1593	Not Assessed	06TH AVE	168H D 010	CHATT CITY OF	Former Site of Fire Station 9
14	HP0477	Not Assessed	1714 DUNCAN AVE	146J Q 032	CHATT CITY OF	Homeless Veterans Team Offices
15	HP0705	Not Assessed	1609 UNION AVE	146J N 007	CHATT CITY OF	Tatum Park
16	HP1414	Not Assessed	1815 E MAIN ST	156B D 009	CHATT CITY OF	Arcade Furniture Warehouse
17	HP1429	Not Assessed	1715 E MAIN ST	156B D 011	CHATT CITY OF	Leased-Forgotten Child Fund Offices
18	OG229	Not Assessed	LYNNBROOK AVE	156B L 024	CHATT CITY OF	Vacant Commercial Land - Fenced
19	OG514	Not Assessed	2104 E 17TH ST	156B U 006	CHATT CITY OF	Designated for Affordable Housing Initiative by Reso 27849
20	RH022	Vacant	3315 DELONG AVE	155K B 035	CHATT CITY OF	Neighborhood Park
21	SG106	Vacant	W 26TH ST	155C G 002.01	CHATT CITY OF	Lift Station
22	AP105	Vacant	904 W 38TH ST	155N F 009	HAMILTON COUNTY & CHATT CITY O	Back Tax Property-Vacant lot
23	AP112	Not Assessed	W 38TH ST	155N F 002	CHATT CITY OF & HAMILTON CO	Public Library - S. Chattanooga Branch
24	AP186	Vacant	4031 CHANDLER AVE	155N L 011	HAMILTON COUNTY & CHATT CITY O	Back Tax Property-Vacant lot
25	AP236	Not Assessed	3809 KIRKLAND AVE	155N P 004	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant lot
26	AP340	Vacant	3717 DORRIS ST	155M B 024	HAMILTON COUNTY & CHATT CITY O	Back Tax Property-Vacant lot
27	AP357	Vacant	DORRIS ST	155M C 007	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant Lot Commercial
28	AP366	Vacant	3728 DORRIS ST	155M B 015	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant lot Commercial/Residential
29	AP378	Vacant	204 E 37TH ST	167D D 008	CHATT CITY OF & HAMILTON CO	Back Tax Property-Vacant lot
30	AP398	Vacant	E 38TH ST	167D A 005	HAMILTON COUNTY & CHATT CITY	Back Tax Property-Vacant lot-Commercial
31	AP418	Vacant	FAGAN ST	167D C 003	CHATT CITY OF & HAMILTON CO	Back Tax Property-Vacant lot
32	AP422	Vacant	4015 FAGAN ST	167D A 018	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant lot
33	AP423	Vacant	4013 FAGAN ST	167D A 017	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant lot
34	AP424	Vacant	FAGAN ST	167D A 016	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant lot
35	AP464	Vacant	4110 FAGAN ST	167D B 012	HAMILTON COUNTY & CHATTANOOGA CITY OF	Back Tax Property-Vacant lot
36	AP475	Vacant	4133 QUINN ADAMS ST	167D B 020	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant lot
37	AP504	Vacant	4216 FAGAN ST	167D B 004	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant lot
38	AP505	Vacant	4218 FAGAN ST	167D B 003	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant lot
39	EL0543	Not Assessed	3106 13TH AVE	168B T 009	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Residential
40	EL0564	Not Assessed	13TH AVE	156N B 003	CHATT CITY OF & HAMILTON CO	Sold Back Tax Property-Residential
41	EL0565	Not Assessed	E 29TH ST	156N B 002	CHATT CITY OF & HAMILTON CO	Sold Back Tax - Commercial
42	EL0574	Not Assessed	14TH AVE	156N B 014	HAMILTON COUNTY & CHATT CITY	Back Tax Property-Vacant lot
43	EL0754	Not Assessed	2606 E 32ND ST	168B K 008	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant lot
44	EL0934	Not Assessed	E 33RD ST	156P K 020	HAMILTON COUNTY & CHATT CITY OF	Redeemed Back Tax Property-Vacant Lot
45	EL0950	Not Assessed	E 33RD ST	156P M 005	HAMILTON COUNTY & CHATT CITY	Back Tax Property-Vacant lot

	EPA Property ID	Parcel Status	Physical Address	TAX_MAP_NO	Owner Name 1	Property Description
46	EL0973	Not Assessed	MARGARET ST	156P L 016	HAMILTON CO & CHATT CITY OF	Back Tax Property -Commercial Dr.'s Office
47	EL0976	Not Assessed	MARGARET ST	156P L 013	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property -Commercial Dr.'s Office
48	EL0978	Not Assessed	MARGARET ST	156P L 018	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property -Commercial
49	EL1067	Not Assessed	E 34TH ST	168A G 003	HAMILTON COUNTY & CHATT CITY O	Back Tax Property-Vacant lot
50	EL1128	Not Assessed	3414 06TH AVE	168B D 012	GENNADY RYABCHUK	Sold on 05-01-2018
51	EL1197	Not Assessed	04TH AVE	168A H 022	CHATT CITY OF & HAMILTON CO	Back Tax Property-Vacant lot
52	EL1220	Not Assessed	02ND AVE	168A F 020	SHERRILL CHARLES LARRY	Redeemed Back Tax Property-Vacant Lot
53	EL1555	Not Assessed	3709 04TH AVE	168A S 009	REDSTAR INVESTMENT CORP	Redeemed Back Tax Property-Vacant Lot
54	EL1722	Not Assessed	4012 05TH AVE	168H F 019	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property- vacant lot
55	EL1772	Not Assessed	2589 E 40TH ST	168G C 018	HAMILTON COUNTY & CHATT CITY	Back Tax Property-Vacant lot-Commercial
56	EL2008	Not Assessed	4014 13TH AVE	168G Q 014.01	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant lot-Commercial
57	EL2074	Not Assessed	E 41ST ST	168J D 028	CHATT CITY OF & HAMILTON CO	Back Tax Property-Vacant lot-Commercial
58	EL2122	Not Assessed	E 42ND ST	168J F 027	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant lot-Commercial
59	EL2207	Not Assessed	17TH AVE	168J F 002	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant lot-Residential
60	EL2337	Not Assessed	2901 E 45TH ST	168J N 010	HAMILTON COUNTY & CHATT CITY O	Back Tax Property -Residential
61	EL2345	Not Assessed	2804 E 43RD ST	168J J 019	CHATT CITY OF & HAMILTON CO	Back Tax Property -Residential & Comm
62	EL2428	Not Assessed	2600 E 44TH ST	168I H 010	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property -Residential & Comm
63	HP0163	Not Assessed	N ORCHARD KNOB AVE	146K A 033	CHATT CITY OF HAMILTON CO	Back tax Property-Vacant lot- residential AHI
64	HP0312	Not Assessed	OAK ST	146K N 004.01	HAMILTON CO & CHATT CITY OF	BACK TAX-Vacant Lot- NEAR UTC DORMS
65	OG094	Not Assessed	1609 S HAWTHORNE ST	156B M 012	HAMILTON CO & CHATT CITY OF	Back Tax Property-Vacant lot-Residential
66	OG181	Not Assessed	LYNNBROOK AVE	156B N 031	HAMILTON COUNTY & CHATT CITY O	Back Tax-WPA Ditch Study-vacant commercial Lot
67	OG182	Not Assessed	LYNNBROOK AVE	156B N 032	HAMILTON CO & CHATT CITY OF	Back Tax-WPA Ditch Study-vacant commercial Lot
68	OG183	Not Assessed	LYNNBROOK AVE	156B N 033	HAMILTON COUNTY & CHATT CITY O	Back Tax-WPA Ditch Study-vacant commercial Lot
69	OG184	Not Assessed	LYNNBROOK AVE	156B N 034	HAMILTON COUNTY & CHATT CITY O	Back Tax-WPA Ditch Study-vacant commercial Lot
70	OG185	Not Assessed	LYNNBROOK AVE	156B N 035	HAMILTON COUNTY & CHATT CITY O	Back Tax-WPA Ditch Study-vacant commercial Lot
71	OG186	Not Assessed	LYNNBROOK AVE	156B N 036	HAMILTON CO & CHATT CITY OF	Back Tax-WPA Ditch Study-vacant commercial Lot
72	OG187	Not Assessed	LYNNBROOK AVE	156B N 037	HAMILTON COUNTY & CHATT CITY O	Back Tax-WPA Ditch Study-vacant commercial Lot
73	OG188	Not Assessed	LYNNBROOK AVE	156B N 038	HAMILTON CO & CHATT CITY OF	Back Tax-WPA Ditch Study-vacant commercial Lot
74	OG209	Not Assessed	LYNNBROOK AVE	156B R 038	HAMILTON CO & CHATT CITY OF	Back Tax-WPA Ditch Study-vacant commercial Lot
75	OG217	Not Assessed	LYNNBROOK AVE	156B R 045	HAMILTON COUNTY & CHATT CITY O	Back Tax-WPA Ditch Study-vacant commercial Lot
76	OG218	Not Assessed	LYNNBROOK AVE	156B R 046	CHATT CITY OF & HAMILTON CO	Back Tax-WPA Ditch Study-vacant commercial Lot
77	OG219	Not Assessed	LYNNBROOK AVE	156B R 047	CHATT CITY OF & HAMILTON CO	Back Tax-WPA Ditch Study-vacant commercial Lot
78	OG220	Not Assessed	LYNNBROOK AVE	156B R 048	HAMILTON COUNTY & CHATT CITY O	Back Tax-WPA Ditch Study-vacant commercial Lot
79	OG221	Not Assessed	LYNNBROOK AVE	156B R 049	CHATT CITY OF & HAMILTON CO	Back Tax-WPA Ditch Study-vacant commercial Lot
80	OG222	Not Assessed	LYNNBROOK AVE	156B R 050	CHATT CITY OF & HAMILTON CO	Back Tax-WPA Ditch Study-vacant commercial Lot
81	OG223	Not Assessed	LYNNBROOK AVE	156B R 051	CHATT CITY OF & HAMILTON CO	Back Tax-WPA Ditch Study-vacant commercial Lot
82	OG224	Not Assessed	LYNNBROOK AVE	156B R 052	CHATT CITY OF & HAMILTON CO	Back Tax-WPA Ditch Study-vacant commercial Lot
83	OG225	Not Assessed	LYNNBROOK AVE	156B R 053	HAMILTON COUNTY & CHATT CITY O	Back Tax-WPA Ditch Study-vacant commercial Lot
84	OG227	Not Assessed	LYNNBROOK AVE	156B R 057	HAMILTON CO & CHATT CITY OF	Back Tax-WPA Ditch Study-vacant commercial Lot
85	OG228	Not Assessed	LYNNBROOK AVE	156B R 001	HAMILTON CO & CHATT CITY OF	Back Tax-WPA Ditch Study-vacant commercial Lot
86	OG300	Not Assessed	1703 S BEECH ST	156B K 011	HAMILTON CO & CHATT CITY OF	Back Tax Property-Vacant Lot- Residential
87	OG332	Not Assessed	2005 S BEECH ST	156G B 018	HAMILTON COUNTY & CHATTANOOGA CITY OF	Back Tax Property-Vacant Lot- Residential
88	OG522	Not Assessed	2110 E 18TH ST	156G D 022	HAMILTON COUNTY & CHATT CITY OF	Back Tax Property-Vacant Lot- Residential
89	OG568	Not Assessed	2221 E 18TH ST	156B U 019	HAMILTON CO & CHATT CITY OF	Back Tax-WPA Ditch Study-Vacant lot
90	OG572	Not Assessed	E 18TH ST	156G E 027	CHATT CITY OF & HAMILTON CO	BACK TAX Property-Vacant Lot-commercial
91	OG573	Not Assessed	E 18TH ST	156G E 028	CHATT CITY OF & HAMILTON CO	BACK TAX Property-Vacant Lot-commercial
92	OG574	Not Assessed	E 18TH ST	156G E 029	CHATT CITY OF & HAMILTON CO	BACK TAX Property-Vacant Lot-commercial



Protect Your Family from Exposures to Lead

Soil, Yards and Playgrounds

Lead is naturally-occurring, and it can be found in high concentrations in some areas. In addition, soil, yards and playgrounds can become contaminated when exterior lead-based paint from houses or buildings flakes or peels and gets into the soil. Soil may also be contaminated from past use of leaded gasoline in cars, from industrial sources, or even from contaminated sites, including former lead smelters.



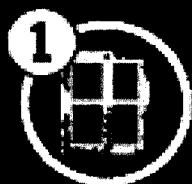
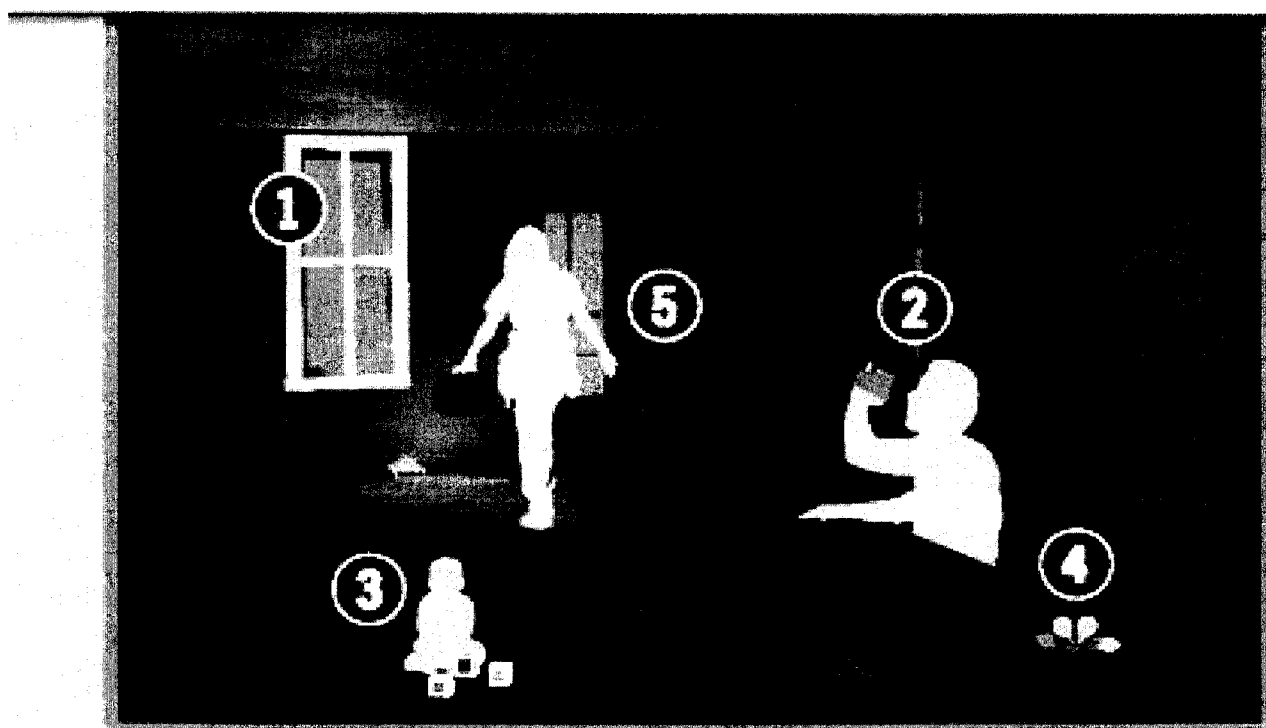
Lead in soil can be ingested as a result of hand-to-mouth activity that is common for young children and from eating vegetables that may have taken up lead from soil in the garden. Lead in soil may also be inhaled if re-suspended in the air, or tracked into your house thereby spreading the contamination.

Check the exterior of your home, including porches and fences, for flaking or deteriorating lead-based paint that may contaminate soil in your yard or be tracked into your house. To avoid tracking contaminated soil into your house, put doormats outside and inside all entryways, and remove your shoes before entering.



To reduce exposure to lead, after playing or working outdoors, EPA recommends that children and adults leave their shoes at the door or use door mats, and wash their hands. To keep children from playing in soil near your home, plant bushes close to the house.

Lead can be found throughout a child's environment.



1 Homes built before 1978 (when lead-based paints were banned) probably contain lead-based paint.



When the paint peels and cracks, it makes lead dust. Children can be poisoned when they swallow or breathe in lead dust.



3 Lead can be found in some products such as toys and toy jewelry.



4 Lead is sometimes in candies imported from other countries or traditional home remedies.



2 Certain water pipes may contain lead.



5 Certain jobs and hobbies involve working with lead-based products, like stained glass work, and may cause parents to bring lead into the home.

Hines, Andrea

From: Dwan Austin <daustin@chattanooga.gov>
Sent: Thursday, February 20, 2020 5:57 PM
To: Jefferies, Jasmin
Subject: Flyer for YFD Centers
Attachments: FLYER-Protect Your Family from Exposures to Lead.docx

Hi Jasmin,

The City would like to display a simple lead awareness flyer in our YFD Centers, especially East Lake where there could possibly be a remediation project. The attached was drafted in house and I want to make sure it is used with your permission. If it is not permissible, is there something already available? Any assistance would be greatly appreciated.

Thanks,

Dwan D. Austin

Brownfield Coordinator

City of Chattanooga | Economic and Community Development

Office: 423-643-7346

Hines, Andrea

From: Jefferies, Jasmin
Sent: Friday, February 21, 2020 8:14 AM
To: Dwan Austin
Subject: RE: Flyer for YFD Centers

Good morning Dwan,

I would like to share this flyer with my Community Involvement Coordinator (CIC) before it is placed in the YFD Centers. Because this flyer contains our logo, it will need to be reviewed. I can also ask my CIC, if she has any flyers that you all can use. Thank you for checking with me first.

Respectfully,

Jasmin Jefferies

*Remedial Project Manager
U.S. Environmental Protection Agency – Region 4
Superfund and Emergency Management Division
Restoration and Sustainability Branch
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell: (404) 304-2817
Email: Jefferies.jasmin@epa.gov*

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Office: 423-643-7346



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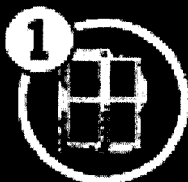
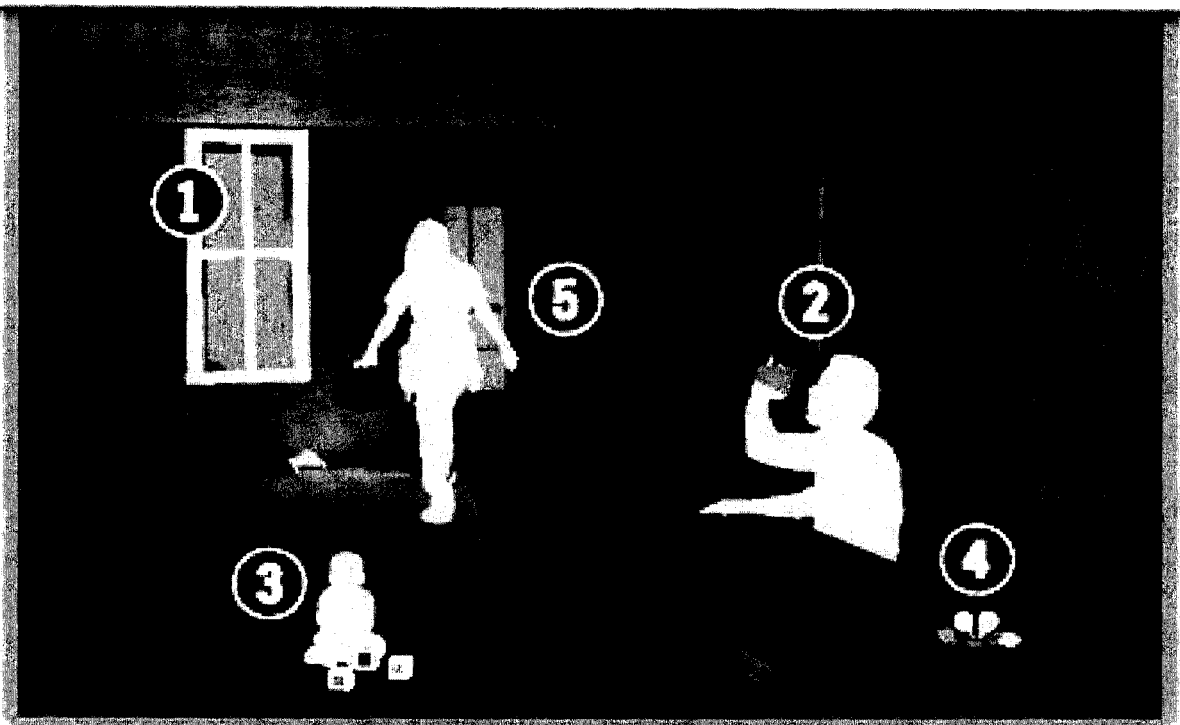
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Hines, Andrea

From: Jefferies, Jasmin
Sent: Friday, February 21, 2020 8:09 AM
To: Dwan Austin
Subject: Sampling Results for East Lake Youth and Family Development Center
Attachments: East Lake Youth and Family Development Center (EL1362).pdf

Good morning Dwan,

Please see the sampling results of the East Lake Youth and Family Development Center below. I have attached the field notes to provide a visual of where sampling occurred.

Property ID	Sampling Location	Sample Date	XRF Results (ppm)	Property Address
EL1362	Back Yard	1/30/2020	374.90	3610 DODDS AVE
	Front Yard	1/30/2020	263.95	
	Playground 1	1/30/2020	268.08	
	Playground 2	1/30/2020	296.15	
	Playground 2 (Sieved)	1/30/2020	357.75	
	Playground 3	1/30/2020	273.55	
	Playground 3 (Sieved)	1/30/2020	310.09	
	Playground 4	1/30/2020	225.00	
	Playground 5	1/30/2020	172.53	
	Playground 6	1/30/2020	142.06	

As you see, the back yard area exceeds our cleanup action level of 360 ppm and will need to be remediated. Per our previous conversations, the cleanup of this property will be prioritized. We plan to get to it as soon as possible. The next step would be to conduct a walkthrough of the property to discuss our cleanup plan. Let me know if you are available any day next week. If the weather permits, we can begin right away.

No cleanups are recommended for the other locations at this time as they are below our cleanup action level.

Please let me know if you have any questions. I will be more than happy to discuss.

Thank you,

Jasmin Jefferies

Remedial Project Manager
U.S. Environmental Protection Agency – Region 4
Superfund and Emergency Management Division
Restoration and Sustainability Branch
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell: (404) 304-2817
Email: Jefferies.jasmin@epa.gov

1g parcel,
split up

Call for time: Jason McKinney
731-225-5109

Location ID: EL1362

Southside Chattanooga Lead Site - Soil Sample Collection Record

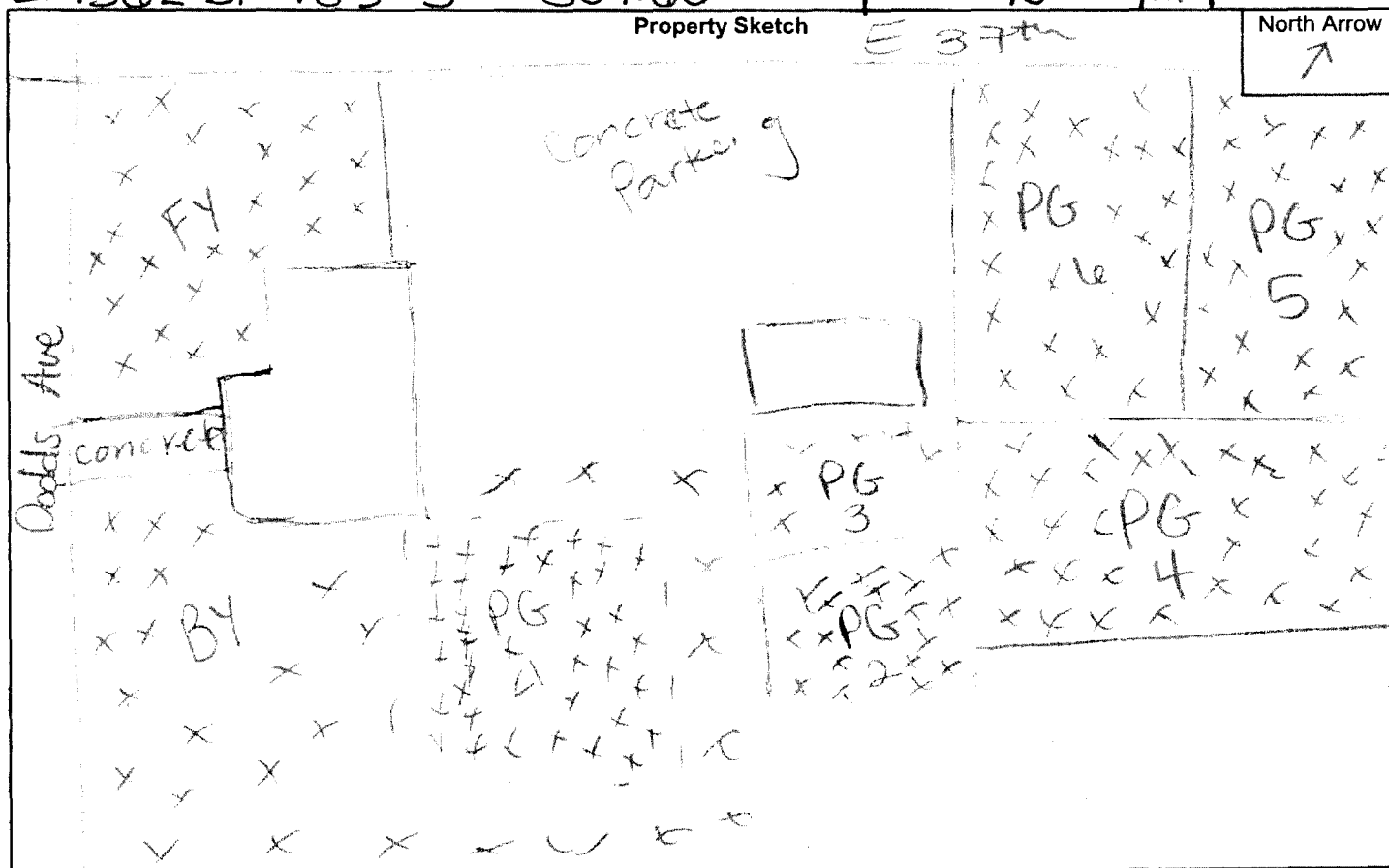
Sampling Address: 3610 Dodds Ave

Project Name: <u>Southside Chattanooga Lead Site</u>	Date/Time Collected: <u>1/29/20</u> / <u>1/12</u>
Project Number: <u>49086</u>	Date/Time Analyzed: <u>1/30/20</u>
Location: <u>Chattanooga, Hamilton County, Tennessee</u>	Analysis: <u>Lead via XRF</u> / Laboratory
Weather: <u>50°F</u>	Samplers: <u>Gabby & Allan</u>

Field Equipment:

Gator

Sample ID:	Concentration (ppm):	Sieve?	Lab?	Notes:
EL1362-SF-PG2-S	357.75	Y	N	1215
✓ EL1362-SF-PG ①	268.08	N	N	1138
✓ EL1362-SF-PG ②	295.42	N	N	1056
✓ EL1362-SF-PG ③	273.55	N	N	1100
✓ EL1362-SF-PG ④	225.00	N	N	1106
✓ EL1362-SF-PG ⑤	172.53	N	N	1111
✓ EL1362-SF-PG ⑥	142.06	N	N	1114
✓ EL1362-SF-FY	263.95	N	N	1049
✓ EL1362-SF-BY	374.90	N	Y	1052
EL1362-SF-PG3-S	309.66	Y	N	1219



Hines, Andrea

From: Jefferies, Jasmin
Sent: Tuesday, February 25, 2020 11:20 AM
To: Dwan Austin
Subject: Walkthrough at East Lake YFD Center

Dwan,

Perry Gaughan, will be meeting with you to do the walkthrough tomorrow at the East Lake YFD Center at 9 am.

His cell phone number is (404) 909-2930.

Best,

Jasmin Jefferies
Remedial Project Manager
U.S. Environmental Protection Agency - R4 Superfund and Emergency Management Division
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell (404) 304-2817

Hines, Andrea

From: Jefferies, Jasmin
Sent: Monday, February 3, 2020 2:47 PM
To: Dwan Austin
Subject: RE: List of City Properties the EPA would like to Sample
Attachments: City Properties Needing Sampling_Catagorized.xlsx

Dwan,

Attached is a categorized list of City properties the EPA is requesting to sample. The first set of properties are solely owned by the City. The second set of properties are owned by both the City and the County. The last set of properties are owned by the Chattanooga Housing Authority. I was not sure whether or not these properties would be signed by the Mayor, but wanted to include them just in case. If the Major is unable to sign for these properties, please provide the contact information of the person I should reach out to.

Per our conversation, please exclude any commercial properties you come across. The EPA is only sampling residential properties and child high impact properties (including schools, parks, playgrounds, child care centers, etc.)

Please reach out to me if you have any questions.

Thank you,

Jasmin Jefferies

*Remedial Project Manager
U.S. Environmental Protection Agency – Region 4
Superfund and Emergency Management Division
Restoration and Sustainability Branch
61 Forsyth St. SW, Atlanta, GA 30303
Office: (404) 562-8443 | Cell: (404) 304-2817
Email: Jefferies.jasmin@epa.gov*

From: Dwan Austin <daustin@chattanooga.gov>
Sent: Monday, February 3, 2020 1:31 PM
To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Subject: Re: List of City Properties the EPA would like to Sample

Hi Jasmin,

I've already received some feedback internally. The properties shown C/O Electric Power Board should be removed from the list and sent to the Electric Power Board. Our office has an old contact in our files, try Steve Clark , office 423-648-3210 or email CLARKSL@EPB.NET. If he is no longer the person and you discover who the new person is, please forward their information to me for our records.

Also properties jointly owned City/County will in addition to the City mayor, will require the County Mayor, Jim Copping to authorize as well.

Thanks,

Dwan D. Austin

Brownfield Coordinator

City of Chattanooga | Economic and Community Development

Office: 423-643-7346

On Tue, Jan 28, 2020 at 7:31 AM Jefferies, Jasmin <jefferies.jasmin@epa.gov> wrote:

Good morning Dwan,

Please find the attached spreadsheet which lists the City properties that the EPA is looking to sample.

Thank you,

Jasmin Jefferies

Remedial Project Manager

U.S. Environmental Protection Agency – Region 4

Superfund and Emergency Management Division

Restoration and Sustainability Branch

61 Forsyth St. SW, Atlanta, GA 30303

Office: (404) 562-8443 | Cell: (404) 304-2817

Email: Jefferies.jasmin@epa.gov

EPA Property ID	Parcel Status	Physical Address	Physical Zip Code	PBA_NUMBER	TAX_MAP_NO	Owner Name 1	Owner Name 2	Mailing Address	Mailing City	Mailing State	Mailing Zip
AP094	Vacant	3809 ALTON PARK BLVD	37410	033155N F 01600P000	155N F 016	CHATT CITY OF		CITY HALL	CHATTANOOGA	TN	37402
AP100	Vacant	3816 WEST AVE	37410	033155N F 02400P000	155N F 024	CHATT CITY OF		CITY HALL	CHATTANOOGA	TN	37402
AP103	Vacant	3817 WEST AVE	37410	033155N F 02500P000	155N F 025	CHATT CITY OF		CITY HALL	CHATTANOOGA	TN	37402
AP114	Not Assessed	1009 W 39TH ST	37410	033155N F 00100P000	155N F 001	CHATT CITY OF		CITY HALL	CHATTANOOGA	TN	37402
AP123	Vacant	901 W 39TH ST	37410	033155N F 02600P000	155N F 026	CHATT CITY OF		CITY HALL	CHATTANOOGA	TN	37402
AP132	Vacant	ALTON PARK BLVD	37410	033155N H 01700P000	155N H 017	CHATT CITY OF		201 CITY HALL ANNEX	CHATTANOOGA	TN	37402
AP537	Vacant	111 WORKMAN RD	37410	033167F D 00900P000	167F D 009	CHATT CITY OF	C/O CHATT NEIGHBORHOOD ENT INC	1500 CHESTNUT ST STE 102	CHATTANOOGA	TN	37408
CP077	Not Assessed	COWART ST	37408	033145K L 00201P000	145K L 002.01	CHATT CITY OF	REAL PROPERTY DEPARTMENT	100 E 11TH ST	CHATTANOOGA	TN	37402
EL0684	Not Assessed	3000 E 34TH ST	37407	033168B U 01800P000	168B U 018	CHATT CITY OF	EAST LAKE PARK	CITY HALL	CHATTANOOGA	TN	37402
EL1167	Not Assessed	3513 06TH AVE	37407	033168B G 00700P000	168B G 007	CHATT CITY OF		201 CITY HALL ANNEX	CHATTANOOGA	TN	37402
EL1362	Not Assessed	3610 DODDS AVE	37407	033168B J 01600P000	168B J 016	CHATT CITY OF	EAST LAKE PARK	CITY HALL	CHATTANOOGA	TN	37402
EL1481	Not Assessed	E 38TH ST	37407	033168G P 00101P000	168G P 001.01	CHATT CITY OF	C/O REAL PROPERTY	100 EAST 11TH ST	CHATTANOOGA	TN	37402
EL1593	Not Assessed	06TH AVE	37407	033168H D 01000P000	168H D 010	CHATT CITY OF		CITY HALL	CHATTANOOGA	TN	37402
HP0477	Not Assessed	1714 DUNCAN AVE	37404	033146J Q 03200P000	146J Q 032	CHATT CITY OF	A MUNICIPAL CORP	1714 DUNCAN AVE	CHATTANOOGA	TN	37404
HP0705	Not Assessed	1609 UNION AVE	37404	033146J N 00700P000	146J N 007	CHATT CITY OF		100 E 11TH ST	CHATTANOOGA	TN	37402
HP1414	Not Assessed	1815 E MAIN ST	37404	033156B D 00900P000	156B D 009	CHATT CITY OF		101 E 11TH ST	CHATTANOOGA	TN	37402
HP1429	Not Assessed	1715 E MAIN ST	37404	033156B D 01100P000	156B D 011	CHATT CITY OF		101 E 11TH ST	CHATTANOOGA	TN	37402
OG229	Not Assessed	LYNNBROOK AVE	37404	033156B L 02400P000	156B L 024	CHATT CITY OF		101 E 11TH ST	CHATTANOOGA	TN	37402
OG514	Not Assessed	2104 E 17TH ST	37404	033156B U 00600P000	156B U 006	CHATT CITY OF	C/O CHATT NEIGHBORHOOD ENTERPR	1500 CHESTNUT ST STE 102	CHATTANOOGA	TN	37408
RH022	Vacant	3315 DELONG AVE	37410	033155K B 03500P000	155K B 035	CHATT CITY OF		100 E 11TH ST	CHATTANOOGA	TN	37402
SG106	Vacant	W 26TH ST	37408	033155C G 00201P000	155C G 002.01	CHATT CITY OF	ENGINEERING DEPT	204 CITY HALL	CHATTANOOGA	TN	37402

EPA Property ID	Parcel Status	Physical Address	Physical Zip Code	PBA_NUMBER	TAX_MAP_NO	Owner Name 1	Owner Name 2	Mailing Address	Mailing City	Mailing State	Mailing Zip
AP105	Vacant	904 W 38TH ST	37410	033155N F 00900P000	155N F 009	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
AP112	Not Assessed	W 38TH ST	37410	033155N F 00200P000	155N F 002	CHATT CITY OF & HAMILTON CO		100 E 11TH ST	CHATTANOOGA	TN	37402
AP186	Vacant	4031 CHANDLER AVE	37410	033155N L 01100P000	155N L 011	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
AP236	Not Assessed	3809 KIRKLAND AVE	37410	033155N P 00400P000	155N P 004	HAMILTON COUNTY & CHATT CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
AP340	Vacant	3717 DORRIS ST	37410	033155M B 02400P000	155M B 024	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
AP357	Vacant	DORRIS ST	37410	033155M C 00700P000	155M C 007	HAMILTON COUNTY & CHATT CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
AP366	Vacant	3728 DORRIS ST	37410	033155M B 01500P000	155M B 015	HAMILTON COUNTY & CHATT CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
AP378	Vacant	204 E 37TH ST	37410	033167D D 00800P000	167D D 008	CHATT CITY OF & HAMILTON CO		100 E 11TH ST	CHATTANOOGA	TN	37402
AP398	Vacant	E 38TH ST	37410	033167D A 00500P000	167D A 005	HAMILTON COUNTY & CHATT CITY	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
AP418	Vacant	FAGAN ST	37410	033167D C 00300P000	167D C 003	CHATT CITY OF & HAMILTON CO	CITY HALL ROOM 100	101 EAST 11TH ST	CHATTANOOGA	TN	37402-4285
AP422	Vacant	4015 FAGAN ST	37410	033167D A 01800P000	167D A 018	HAMILTON COUNTY & CHATT CITY OF		117 E 7TH ST 5TH FLOOR	CHATTANOOGA	TN	37402
AP423	Vacant	4013 FAGAN ST	37410	033167D A 01700P000	167D A 017	HAMILTON COUNTY & CHATT CITY OF		117 E 7TH ST 5TH FLOOR	CHATTANOOGA	TN	37402
AP424	Vacant	FAGAN ST	37410	033167D A 01600P000	167D A 016	HAMILTON COUNTY & CHATT CITY OF		117 E 7TH ST 5TH FLOOR	CHATTANOOGA	TN	37402
AP464	Vacant	4110 FAGAN ST	37410	033167D B 01200P000	167D B 012	HAMILTON COUNTY & CHATTANOOGA CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
AP475	Vacant	4133 QUINN ADAMS ST	37410	033167D B 02000P000	167D B 020	HAMILTON COUNTY & CHATT CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
AP504	Vacant	4216 FAGAN ST	37410	033167D B 00400P000	167D B 004	HAMILTON COUNTY & CHATT CITY OF		117 E 7TH ST 5TH FLOOR	CHATTANOOGA	TN	37402
AP505	Vacant	4218 FAGAN ST	37410	033167D B 00300P000	167D B 003	HAMILTON COUNTY & CHATT CITY OF		117 E 7TH ST 5TH FLOOR	CHATTANOOGA	TN	37402
EL0543	Not Assessed	3106 13TH AVE	37407	033168B T 00900P000	168B T 009	HAMILTON COUNTY & CHATT CITY OF		MILTON COUNTY & CHATT CITY	CHATTANOOGA	TN	37402
EL0564	Not Assessed	13TH AVE	37407	033156N B 00300P000	156N B 003	CHATT CITY OF & HAMILTON CO		100 E 11TH ST	CHATTANOOGA	TN	37402
EL0565	Not Assessed	E 29TH ST	37407	033156N B 00200P000	156N B 002	CHATT CITY OF & HAMILTON CO		100 E 11TH ST	CHATTANOOGA	TN	37402
EL0574	Not Assessed	14TH AVE	37407	033156N B 01400P000	156N B 014	HAMILTON COUNTY & CHATT CITY	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
EL0754	Not Assessed	2606 E 32ND ST	37407	033168B K 00800P000	168B K 008	HAMILTON COUNTY & CHATT CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
EL0934	Not Assessed	E 33RD ST	37407	033156P K 02000P000	156P K 020	HAMILTON COUNTY & CHATT CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
EL0950	Not Assessed	E 33RD ST	37407	033156P M 00500P000	156P M 005	HAMILTON COUNTY & CHATT CITY	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
EL0973	Not Assessed	MARGARET ST	37407	033156P L 01600P000	156P L 016	HAMILTON CO & CHATT CITY OF		COURTHOUSE	CHATTANOOGA	TN	37402
EL0976	Not Assessed	MARGARET ST	37407	033156P L 01300P000	156P L 013	HAMILTON COUNTY & CHATT CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
EL0978	Not Assessed	MARGARET ST	37407	033156P L 01800P000	156P L 018	HAMILTON COUNTY & CHATT CITY OF		117 E 7TH ST 5TH FLOOR	CHATTANOOGA	TN	37402
EL1067	Not Assessed	E 34TH ST	37407	033168A G 00300P000	168A G 003	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
EL1128	Not Assessed	3414 06TH AVE	37407	033168B D 01200P000	168B D 012	CHATT CITY OF & HAMILTON CO	CITY HALL	101 EAST 11TH ST	CHATTANOOGA	TN	37402-4285
EL1197	Not Assessed	04TH AVE	37407	033168A H 02200P000	168A H 022	CHATT CITY OF & HAMILTON CO		100 E 11TH ST	CHATTANOOGA	TN	37402
EL1220	Not Assessed	02ND AVE	37407	033168A F 02000P000	168A F 020	CHATT CITY OF & HAMILTON CO		100 E 11TH ST	CHATTANOOGA	TN	37402
EL1555	Not Assessed	3709 04TH AVE	37407	033168A S 00900P000	168A S 009	CHATT CITY OF & HAMILTON CO		100 E 11TH ST	CHATTANOOGA	TN	37402
EL1722	Not Assessed	4012 05TH AVE	37407	033168H F 01900P000	168H F 019	HAMILTON COUNTY & CHATT CITY OF		117 E 7TH ST 5TH FLOOR	CHATTANOOGA	TN	37402
EL1772	Not Assessed	2589 E 40TH ST	37407	033168G C 01800P000	168G C 018	HAMILTON COUNTY & CHATT CITY	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
EL2008	Not Assessed	4014 13TH AVE	37407	033168G Q 01401P000	168G Q 014.01	HAMILTON COUNTY & CHATT CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
EL2074	Not Assessed	E 41ST ST	37407	033168J D 02800P000	168J D 028	CHATT CITY OF & HAMILTON CO		100 E 11TH ST	CHATTANOOGA	TN	37402
EL2122	Not Assessed	E 42ND ST	37407	033168J F 02700P000	168J F 027	HAMILTON COUNTY & CHATT CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
EL2207	Not Assessed	17TH AVE	37407	033168J F 00200P000	168J F 002	HAMILTON COUNTY & CHATT CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
EL2337	Not Assessed	2901 E 45TH ST	37407	033168J N 01000P000	168J N 010	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402

EL2345	Not Assessed	2804 E 43RD ST	37407	033168J J 01900P000	168J J 019	CHATT CITY OF & HAMILTON CO	201 CITY HALL ANNEX	100 EAST 11TH ST STE200	CHATTANOOGA	TN	37402
EL2428	Not Assessed	2600 E 44TH ST	37407	033168H H 01000P000	168H H 010	HAMILTON COUNTY & CHATT CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
HP0163	Not Assessed	N ORCHARD KNOB AVE	37404	033146K A 03300P000	146K A 033	CHATT CITY OF HAMILTON CO	CITY HALL ROOM 100	101 EAST 11ST ST	CHATTANOOGA	TN	37402
HP0312	Not Assessed	OAK ST	37404	033146K N 00401P000	146K N 004.01	HAMILTON CO & CHATT CITY OF		COURTHOUSE	CHATTANOOGA	TN	37402
OG094	Not Assessed	1609 S HAWTHORNE ST	37404	033156B M 01200P000	156B M 012	HAMILTON CO & CHATT CITY OF	C/O REAL PROPERTY OFFICE	123 E 7TH ST	CHATTANOOGA	TN	37402
OG181	Not Assessed	LYNNBROOK AVE	37404	033156B N 03100P000	156B N 031	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
OG182	Not Assessed	LYNNBROOK AVE	37404	033156B N 03200P000	156B N 032	HAMILTON CO & CHATT CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
OG183	Not Assessed	LYNNBROOK AVE	37404	033156B N 03300P000	156B N 033	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
OG184	Not Assessed	LYNNBROOK AVE	37404	033156B N 03400P000	156B N 034	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
OG185	Not Assessed	LYNNBROOK AVE	37404	033156B N 03500P000	156B N 035	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
OG186	Not Assessed	LYNNBROOK AVE	37404	033156B N 03600P000	156B N 036	HAMILTON CO & CHATT CITY OF		COURTHOUSE	CHATTANOOGA	TN	37402
OG187	Not Assessed	LYNNBROOK AVE	37404	033156B N 03700P000	156B N 037	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
OG188	Not Assessed	LYNNBROOK AVE	37404	033156B N 03800P000	156B N 038	HAMILTON CO & CHATT CITY OF		COURTHOUSE	CHATTANOOGA	TN	37402
OG209	Not Assessed	LYNNBROOK AVE	37404	033156B R 03800P000	156B R 038	HAMILTON CO & CHATT CITY OF		COURTHOUSE	CHATTANOOGA	TN	37402
OG217	Not Assessed	LYNNBROOK AVE	37404	033156B R 04500P000	156B R 045	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
OG218	Not Assessed	LYNNBROOK AVE	37404	033156B R 04600P000	156B R 046	CHATT CITY OF & HAMILTON CO	C/O HAMILTON CO REAL PROP OFFICE	123 E 7TH ST	CHATTANOOGA	TN	37402
OG219	Not Assessed	LYNNBROOK AVE	37404	033156B R 04700P000	156B R 047	CHATT CITY OF & HAMILTON CO	C/O HAMILTON CO REAL PROP OFFICE	123 E 7TH ST	CHATTANOOGA	TN	37402
OG220	Not Assessed	LYNNBROOK AVE	37404	033156B R 04800P000	156B R 048	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
OG221	Not Assessed	LYNNBROOK AVE	37404	033156B R 04900P000	156B R 049	CHATT CITY OF & HAMILTON CO	C/O HAMILTON CO REAL PROP OFFICE	123 E 7TH ST	CHATTANOOGA	TN	37402
OG222	Not Assessed	LYNNBROOK AVE	37404	033156B R 05000P000	156B R 050	CHATT CITY OF & HAMILTON CO	C/O HAMILTON CO REAL PROP OFFICE	123 E 7TH ST	CHATTANOOGA	TN	37402
OG223	Not Assessed	LYNNBROOK AVE	37404	033156B R 05100P000	156B R 051	CHATT CITY OF & HAMILTON CO	C/O HAMILTON CO REAL PROP OFFICE	123 E 7TH ST	CHATTANOOGA	TN	37402
OG224	Not Assessed	LYNNBROOK AVE	37404	033156B R 05200P000	156B R 052	CHATT CITY OF & HAMILTON CO	C/O HAMILTON CO REAL PROP OFFICE	123 E 7TH ST	CHATTANOOGA	TN	37402
OG225	Not Assessed	LYNNBROOK AVE	37404	033156B R 05300P000	156B R 053	HAMILTON COUNTY & CHATT CITY O	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
OG227	Not Assessed	LYNNBROOK AVE	37404	033156B R 05700P000	156B R 057	HAMILTON CO & CHATT CITY OF	C/O HAMILTON CO REAL PROP OFFICE	123 E 7TH ST	CHATTANOOGA	TN	37402
OG228	Not Assessed	LYNNBROOK AVE	37404	033156B R 00100P000	156B R 001	HAMILTON CO & CHATT CITY OF	C/O HAMILTON CO REAL PROP OFFICE	123 E 7TH ST	CHATTANOOGA	TN	37402
OG300	Not Assessed	1703 S BEECH ST	37404	033156B K 01100P000	156B K 011	HAMILTON CO & CHATT CITY OF	C/O REAL PROPERTY OFFICE	123 E 7TH ST	CHATTANOOGA	TN	37402
OG332	Not Assessed	2005 S BEECH ST	37404	033156G B 01800P000	156G B 018	HAMILTON COUNTY & CHATTANOOGA CITY OF	C/O REAL PROPERTY OFFICE	5TH FLOOR NEWELL TOWER	CHATTANOOGA	TN	37402
OG522	Not Assessed	2110 E 18TH ST	37404	033156G D 02200P000	156G D 022	HAMILTON COUNTY & CHATT CITY OF		117 E 7TH ST 5TH FLOOR	CHATTANOOGA	TN	37402
OG568	Not Assessed	2221 E 18TH ST	37404	033156B U 01900P000	156B U 019	HAMILTON CO & CHATT CITY OF		COURTHOUSE	CHATTANOOGA	TN	37402
OG572	Not Assessed	E 18TH ST	37404	033156G E 02700P000	156G E 027	CHATT CITY OF & HAMILTON CO		100 E 11TH ST	CHATTANOOGA	TN	37402
OG573	Not Assessed	E 18TH ST	37404	033156G E 02800P000	156G E 028	CHATT CITY OF & HAMILTON CO	201 CITY HALL ANNEX	100 EAST 11TH ST STE200	CHATTANOOGA	TN	37402
OG574	Not Assessed	E 18TH ST	37404	033156G E 02900P000	156G E 029	CHATT CITY OF & HAMILTON CO	201 CITY HALL ANNEX	100 EAST 11TH ST STE200	CHATTANOOGA	TN	37402
OG575	Not Assessed	E 19TH ST	37404	033156G E 02000P000	156G E 020	CHATT CITY OF & HAMILTON CO	201 CITY HALL ANNEX	100 EAST 11TH ST STE200	CHATTANOOGA	TN	37402
OG580	Not Assessed	E 19TH ST	37404	033156G F 00400P000	156G F 004	CHATT CITY OF & HAMILTON CO	201 CITY HALL ANNEX	100 EAST 11TH ST STE200	CHATTANOOGA	TN	37402
OG588	Not Assessed	E 19TH ST	37404	033156G F 00600P000	156G F 006	CHATT CITY OF & HAMILTON CO	201 CITY HALL ANNEX	100 EAST 11TH ST STE200	CHATTANOOGA	TN	37402
OG753	Not Assessed	2514 E 17TH ST	37404	033156F B 01700P000	156F B 017	CHATT CITY OF & HAMILTON CO		100 EAST 11TH ST STE 200	CHATTANOOGA	TN	37402

EPA Property ID	Parcel Status	Physical Address	Physical Zip Code	PBA_NUMBER	TAX_MAP_NO	Owner Name 1	Owner Name 2	Mailing Address	Mailing City	Mailing State	Mailing Zip
HP0030	Not Assessed	220 N HICKORY ST	37404	033146G N 03700P000	146G N 037	CHATT COMM HOUSING DEV ORG INC		1272 MARKET ST	CHATTANOOGA	TN	37402
HP0215	Not Assessed	200 N WILLOW ST	37404	033146K C 00700P000	146K C 007	CHATT COMM HOUSING DEV ORG INC		1272 MARKET ST	CHATTANOOGA	TN	37402
HP0216	Not Assessed	198 N WILLOW ST	37404	033146K C 00701P000	146K C 007.01	CHATT COMM HOUSING DEV ORG INC		1272 MARKET ST	CHATTANOOGA	TN	37402
HP0314	Not Assessed	2100 OAK ST	37404	033146K N 00600P000	146K N 006	CHATT COMM HOUSING DEV ORG INC		1272 MARKET ST	CHATTANOOGA	TN	37402
AP176	Sampled	3536 CHANDLER AVE	37410	033155N K 00800P000	155N K 008	CHATT COMMUNITY HOUSING	DEVELOPMENT ORGANIZATION INC	1272 MARKET ST	CHATTANOOGA	TN	37402
SG083	Sampled	2606 LONG ST	37408	033155C G 02300P000	155C G 023	CHATT COMMUNITY HOUSING	DEVELOPMENT ORGANIZATION INC	1272 MARKET ST	CHATTANOOGA	TN	37402
SG116	Vacant	2626 CARR ST	37408	033155C F 02100P000	155C F 021	CHATT COMMUNITY HOUSING DEV	ORGANIZATION	1272 MARKET ST	CHATTANOOGA	TN	37402
SG096	Vacant	2633 CARR ST	37408	033155C G 01200P000	155C G 012	CHATT COMMUNITY HOUSING DEVELOPMENT	ORGANIZATION INC	1272 MARKET ST	CHATTANOOGA	TN	37402
		1200 GROVE ST	37402	033145F A 00300P000	145F A 003	CHATT HOUSING AUTHORITY		P O BOX 1486	CHATTANOOGA	TN	37401
		GROVE ST	37402	033145F A 00100P000	145F A 001	CHATT HOUSING AUTHORITY		P O BOX 1486	CHATTANOOGA	TN	37401
CH001	Sampled	1201 POPLAR ST	37402	033145F A 00200P000	145F A 002	CHATT HOUSING AUTHORITY		P O BOX 1486	CHATTANOOGA	TN	37401
EL2462	Sampled	2718 06TH AVE	37407	033156J G 05400P000	156J G 054	CHATT HOUSING AUTHORITY		P O BOX 1486	CHATTANOOGA	TN	37401
EL2463	Sampled	2776 04TH AVE	37407	033156J G 05500P000	156J G 055	CHATT HOUSING AUTHORITY		P O BOX 1486	CHATTANOOGA	TN	37401
EL2464	Sampled	2600 04TH AVE	37407	033156J G 05600P000	156J G 056	CHATT HOUSING AUTHORITY		P O BOX 1486	CHATTANOOGA	TN	37401
EL2465	Sampled	2576 04TH AVE	37407	033156J G 05700P000	156J G 057	CHATT HOUSING AUTHORITY		P O BOX 1486	CHATTANOOGA	TN	37401
EL2466	Sampled	2508 06TH AVE	37407	033156J G 05300P000	156J G 053	CHATT HOUSING AUTHORITY		P O BOX 1486	CHATTANOOGA	TN	37401
EL2467	Sampled	2408 06TH AVE	37407	033156J G 00100P000	156J G 001	CHATT HOUSING AUTHORITY		P O BOX 1486	CHATTANOOGA	TN	37401
EL2468	Sampled	2470 06TH AVE	37407	033156J G 04700P000	156J G 047	CHATT HOUSING AUTHORITY		P O BOX 1486	CHATTANOOGA	TN	37401
SG018	Sampled	2501 MARKET ST	37408	033155C E 00400P000	155C E 004	CHATT HOUSING AUTHORITY		P O BOX 1486	CHATTANOOGA	TN	37401

Hines, Andrea

From: Jefferies, Jasmin
Sent: Friday, February 21, 2020 12:07 PM
To: Dwan Austin
Subject: RE: List of City Properties the EPA would like to Sample
Attachments: ENGLISH_RA_ACCESS AUTHORIZATION FOR SOUTHSIDE CHATTANOOGA SITE.pdf

Dawn,

Please find the Removal Access Authorization form attached.

Jasmin

From: Dwan Austin <daustin@chattanooga.gov>
Sent: Thursday, February 20, 2020 6:44 PM
To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Subject: Re: List of City Properties the EPA would like to Sample

Hi Jasmin,

Please see the attached properties to sample with added property descriptions and edits for those the City no longer owns. Please eliminate the commercial properties and send back to me. I will submit a revised list to the Mayor for his review and signature. If you have any questions or comments, please let me know.

Thanks,

Dwan D. Austin
Brownfield Coordinator
City of Chattanooga | Economic and Community Development
Office: 423-643-7346

On Mon, Feb 3, 2020 at 9:45 AM Jefferies, Jasmin <jefferies.jasmin@epa.gov> wrote:

Would a month from today, March 2, 2020, be enough time to review the properties and sign the Access Authorization form?

Jasmin

From: Dwan Austin <daustin@chattanooga.gov>
Sent: Monday, February 3, 2020 9:39 AM
To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>
Subject: Re: List of City Properties the EPA would like to Sample

Ok Jasmin, that makes sense! What is the timeline for our response? There will need to be a review process of the properties here at the City, and I want to make sure it's done in a timely manner.

Thanks,

Dwan D. Austin

Brownfield Coordinator

City of Chattanooga | Economic and Community Development

Office: 423-643-7346

On Mon, Feb 3, 2020 at 9:28 AM Jefferies, Jasmin <jefferies.jasmin@epa.gov> wrote:

Good morning Dawn,

I spoke with another RPM who is experienced with lead cleanups, and she has suggested that the Major fill out one Access Authorization form and indicate on the property address line (bolded line) that he is granting access to all of the properties on the attachment. In this case, the letter we previously discussed would not be necessary.

Please let me know if you have any questions.

Thank you,

Jasmin Jefferies

Remedial Project Manager

U.S. Environmental Protection Agency – Region 4

Superfund and Emergency Management Division

Restoration and Sustainability Branch

61 Forsyth St. SW, Atlanta, GA 30303

Office: (404) 562-8443 | Cell: (404) 304-2817

Email: Jefferies.jasmin@epa.gov

From: Dwan Austin <daustin@chattanooga.gov>

Sent: Tuesday, January 28, 2020 1:33 PM

To: Jefferies, Jasmin <jefferies.jasmin@epa.gov>

Cc: Donna Williams <dwilliams@chattanooga.gov>; Gail Hart <ghart@chattanooga.gov>; Richard Beeland <rbeeland@chattanooga.gov>

Subject: Re: List of City Properties the EPA would like to Sample

Hi Jasmin,

Thank you for sending the list of City-owned properties you are looking to sample. Per our conversation, the attached form from 2016 was used to sample multiple properties. Consider using this format for the Mayor's signature for this group, rather than an individual form for each property. The jointly-owned City & County properties included in your list will require signatures from both mayors. The revised form should accommodate both signatures. Lastly, do you have a timeline in which these properties will be scheduled for sampling? Please let me know when it is determined. Enjoy your week here in Chattanooga, and let me know if you need any additional information.

Thanks,

Dwan D. Austin

Brownfield Coordinator

City of Chattanooga | Economic and Community Development

Office: 423-643-7346

On Tue, Jan 28, 2020 at 7:31 AM Jefferies, Jasmin <jefferies.jasmin@epa.gov> wrote:

Good morning Dwan,

Please find the attached spreadsheet which lists the City properties that the EPA is looking to sample.

Thank you,

Jasmin Jefferies

Remedial Project Manager

U.S. Environmental Protection Agency – Region 4

Superfund and Emergency Management Division

Restoration and Sustainability Branch

61 Forsyth St. SW, Atlanta, GA 30303

Office: (404) 562-8443 | Cell: (404) 304-2817

Email: Jefferies.jasmin@epa.gov



**REMOVAL ACCESS AUTHORIZATION
SOUTHSIDE CHATTANOOGA LEAD SITE**

1. I, _____, am the owner or tenant of the Property and as such I have the authority to sign this authorization.
2. I grant or deny authorization to the United States Environmental Protection Agency (EPA), and other authorized representatives to enter the property located at:

This authorization allows the EPA, and other authorized representatives to have access to the Property to conduct the remedial cleanup activities. The EPA's remedial cleanup activities at the Property will include, but not be limited to, the following:

- a. Excavating the lead-bearing material;
 - b. Taking photographs of the Property;
 - c. Transporting equipment onto and about the Property as necessary to accomplish the above activities; and
 - d. Restoring areas disturbed by the cleanup activities to their pre-excavation state to the maximum extent practicable.
3. The consent for access and use granted herein will commence upon date of owner's signature and will continue through the performance of all Remedial cleanup activities for which access is granted.
 4. I realize that these actions by the EPA are undertaken pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, 42 U.S.C. & 9601 et seq., as amended.

Date _____

Printed Name of Owner: _____

Signature: _____

Mailing Address: _____

Phone Number: _____

Or (if applicable)

Date _____

Printed Name of Tenant: _____

Signature: _____

Mailing Address: _____

Phone Number: _____

Email Completed Access Forms to:

Stephanie Brown
Community Involvement Coordinator
Brown.StephanieY@epa.gov

Jasmin Jefferies
Remedial Project Manager
Jefferies.Jasmin@epa.gov

Or

Mail Completed Access Forms to:

Stephaine Y. Brown
U.S. EPA - Region 4
61 Forsyth Street, SW - MS 9T25
ORA - 14th Floor
Atlanta, Georgia 30303

If applicable, access agreements for clean-up should be signed by both the homeowner and the tenant.